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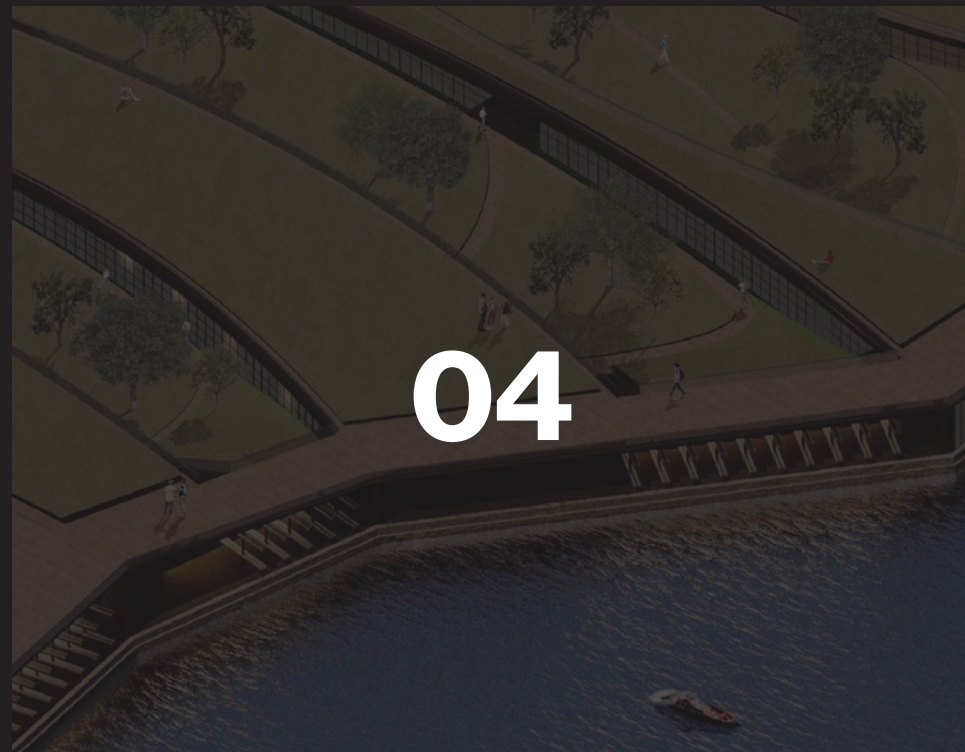
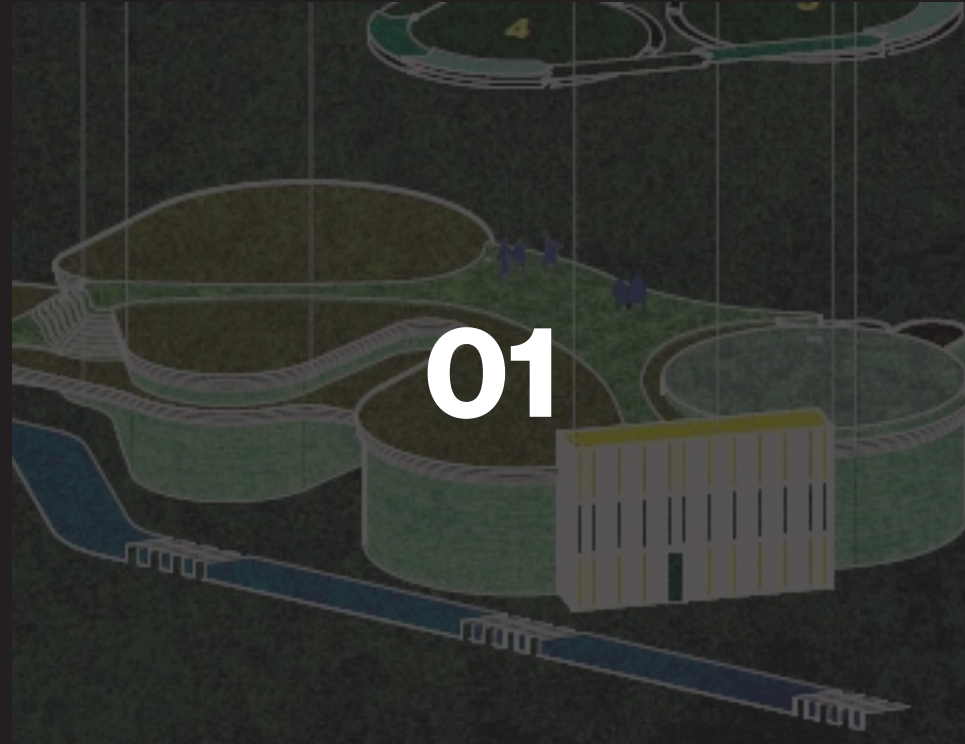
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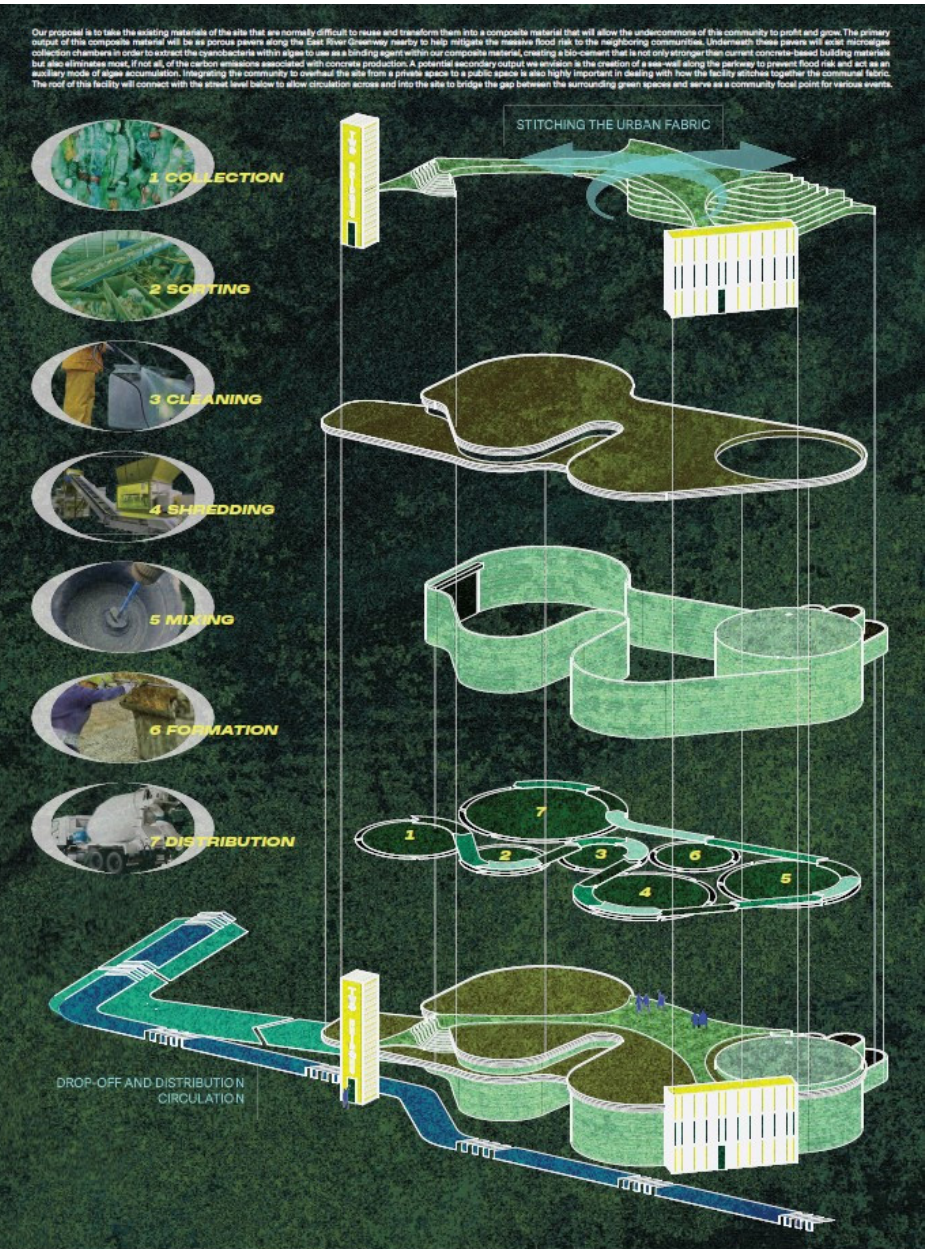


01 Two Bridges Recycling Depot

Collaboration with Jagger Udy

Situated at 74 Pike Slip, this proposal reconfigures a restricted DSNY hazardous waste site into a productive, public threshold that mediates between the Manhattan Bridge infrastructure and the Two Bridges community. By disrupting New York’s parasitic waste-export microeconomy, the project establishes a circular system that transforms site-specific waste into a carbon-negative bio-material—utilizing cyanobacteria harvested from integrated microalgae chambers as a structural binder. This bio-cement is deployed as porous pavers and protective sea-walls along the East River Greenway, creating a resilient landscape that mitigates flood risk while empowering the local “undercommons” through material production. Borrowing from the programmatic synthesis of BIG’s Copenhill, the architecture employs an accessible, habitable roof to stitch together fragmented green spaces, evolving the site from an exclusionary industrial node into a symbiotic engine of ecological and social resilience.

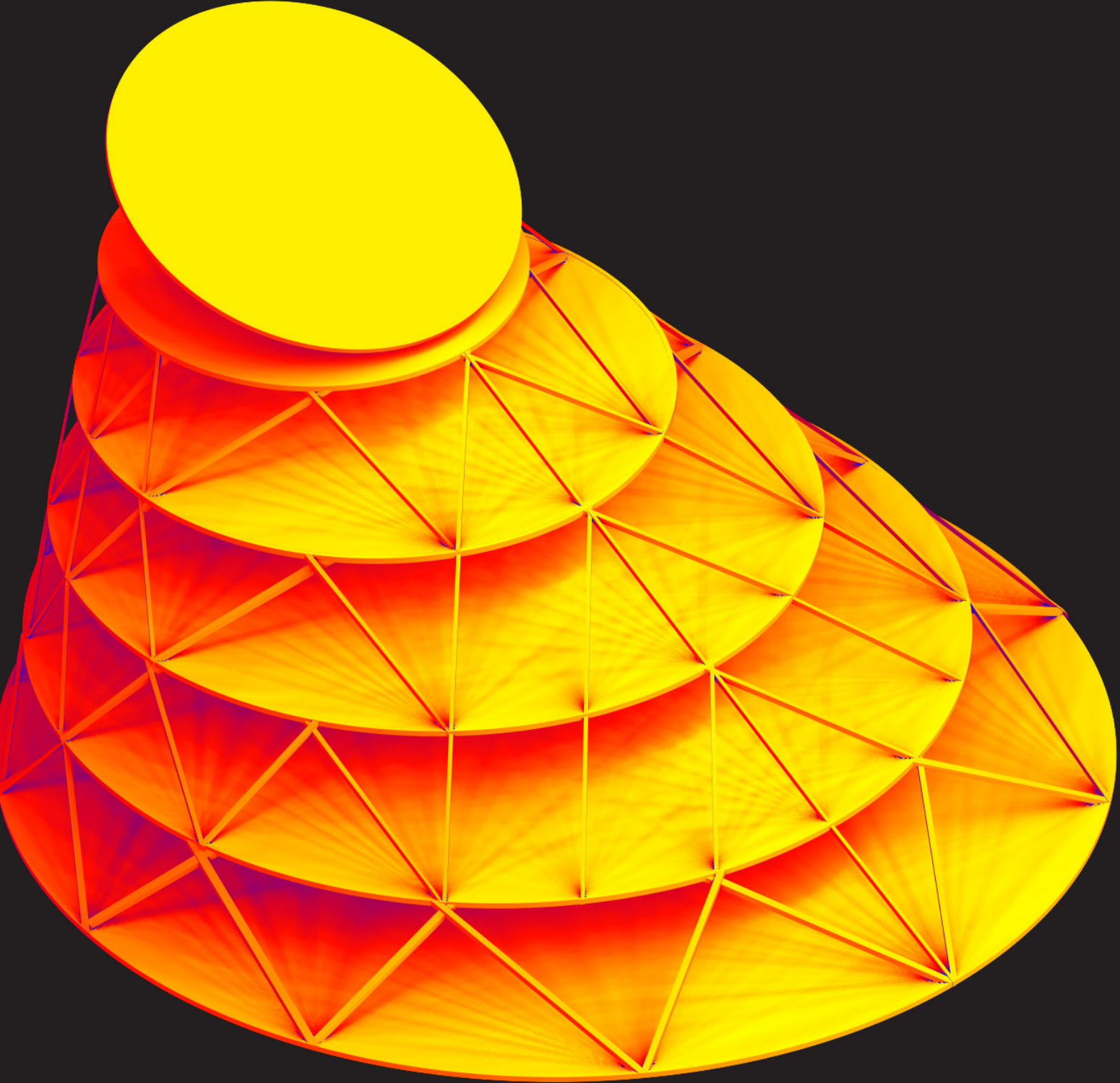
Core Architecture Studio 1 - Talitha Liu

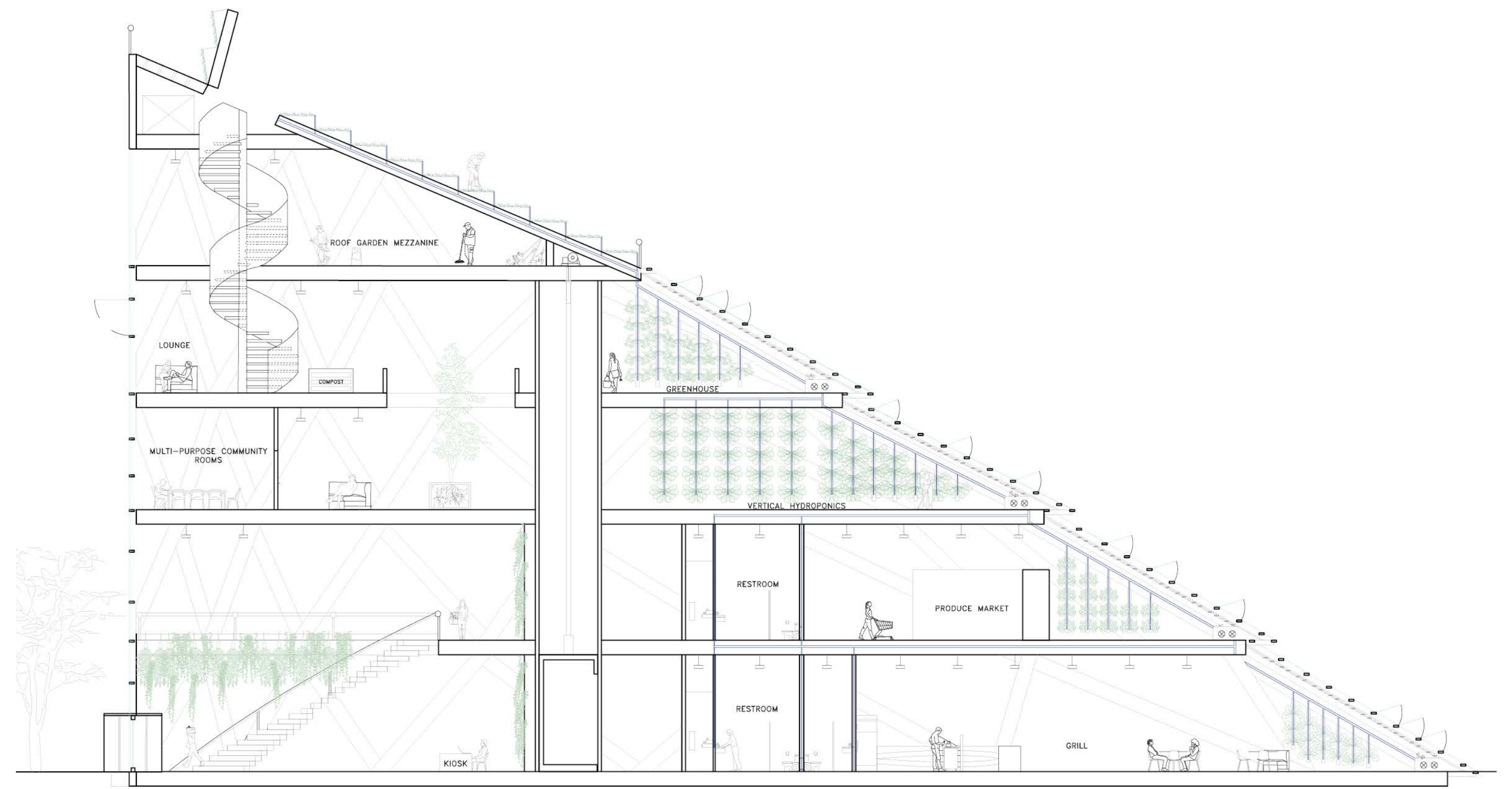
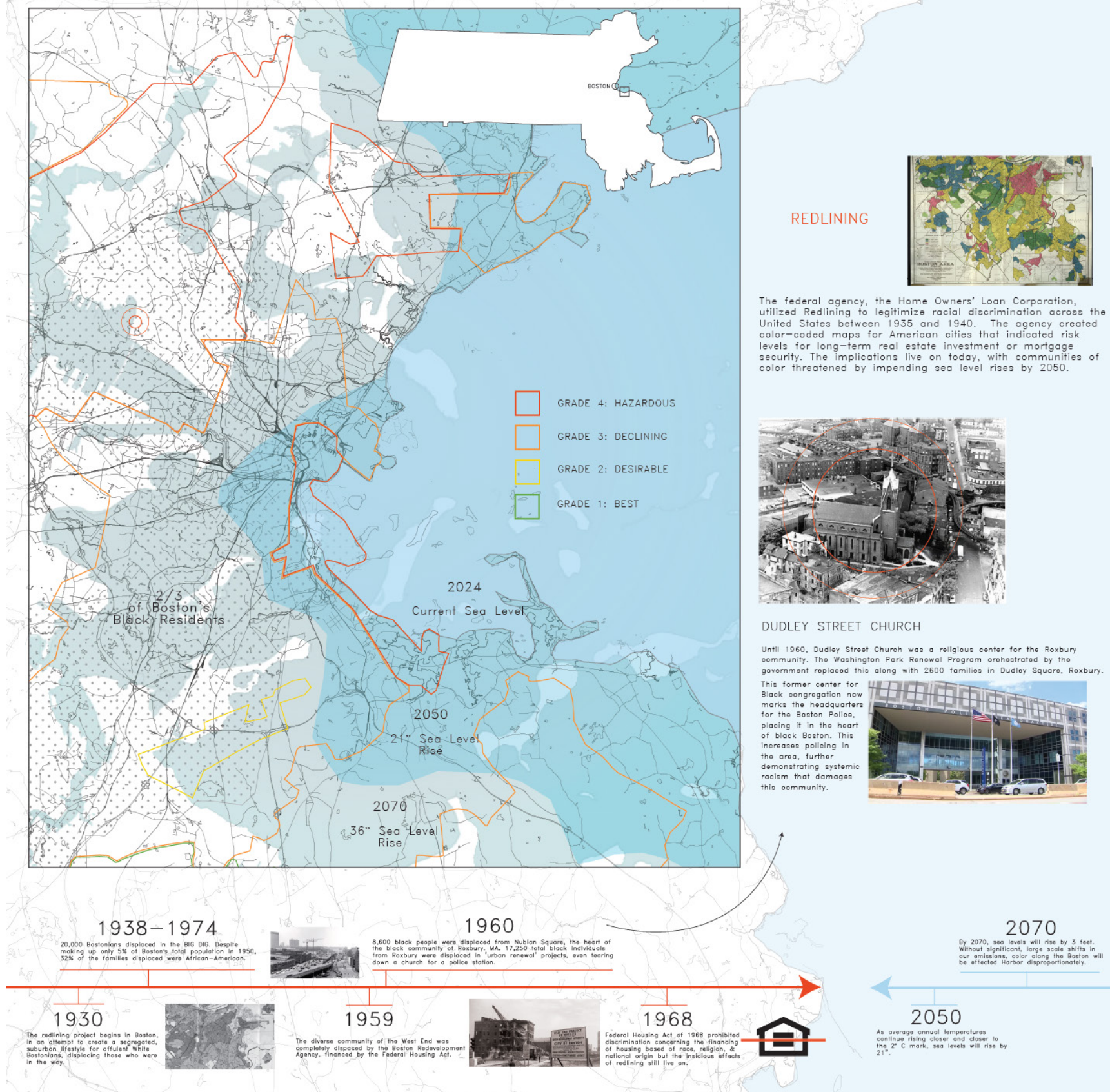


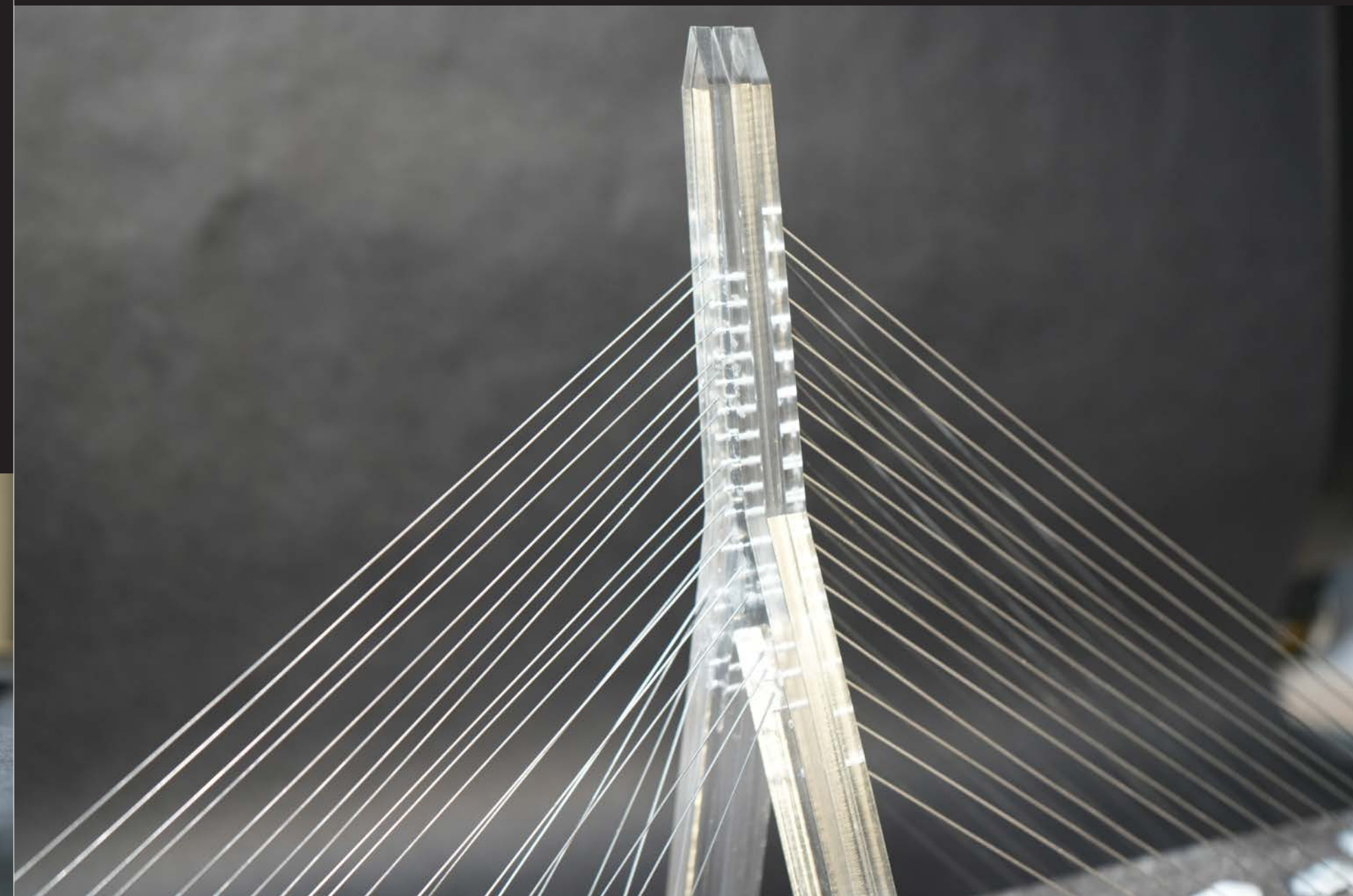
02 Nubian Community Gardens

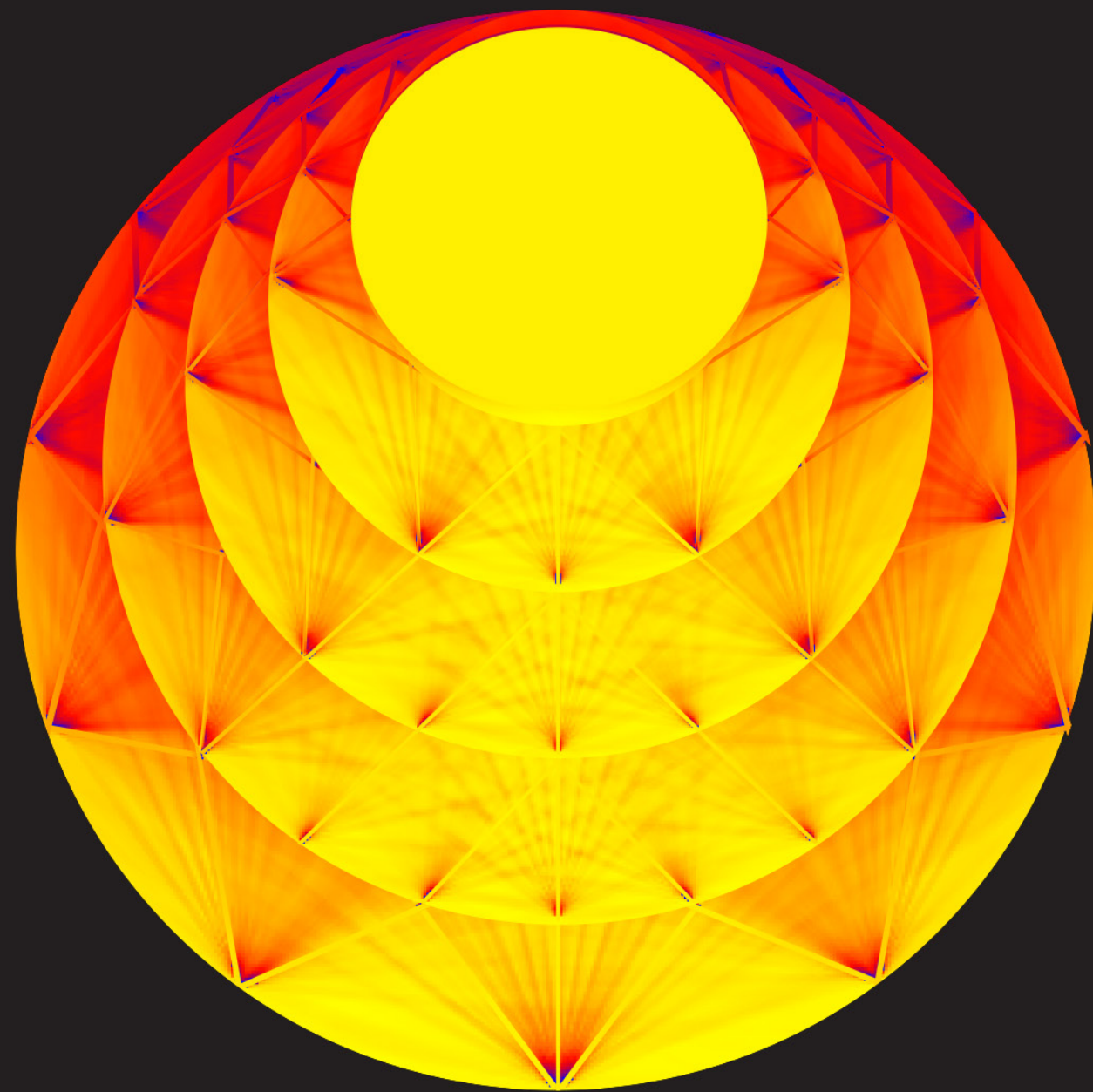
Located in Dudley Square, Roxbury, Nubian Community Gardens functions as a reparative architectural intervention that addresses the enduring legacy of redlining by reclaiming the site of the demolished Dudley St. Church. Situated adjacent to the Dudley Police Station, the center replaces a lost site of Black congregation with a productive urban agricultural hub focused on food sovereignty. The design leverages south-facing underhangs for vertical hydroponic systems, creating a solar-responsive envelope that supplies a ground-floor cultural grill and a second-floor market. By stacking these production zones beneath third-floor educational spaces, the project evolves the traditional community center into a vertical ecosystem that counters systemic food apartheid through local autonomy and shared ritual.

Core Architecture Studio 2 - Abraham Murrell









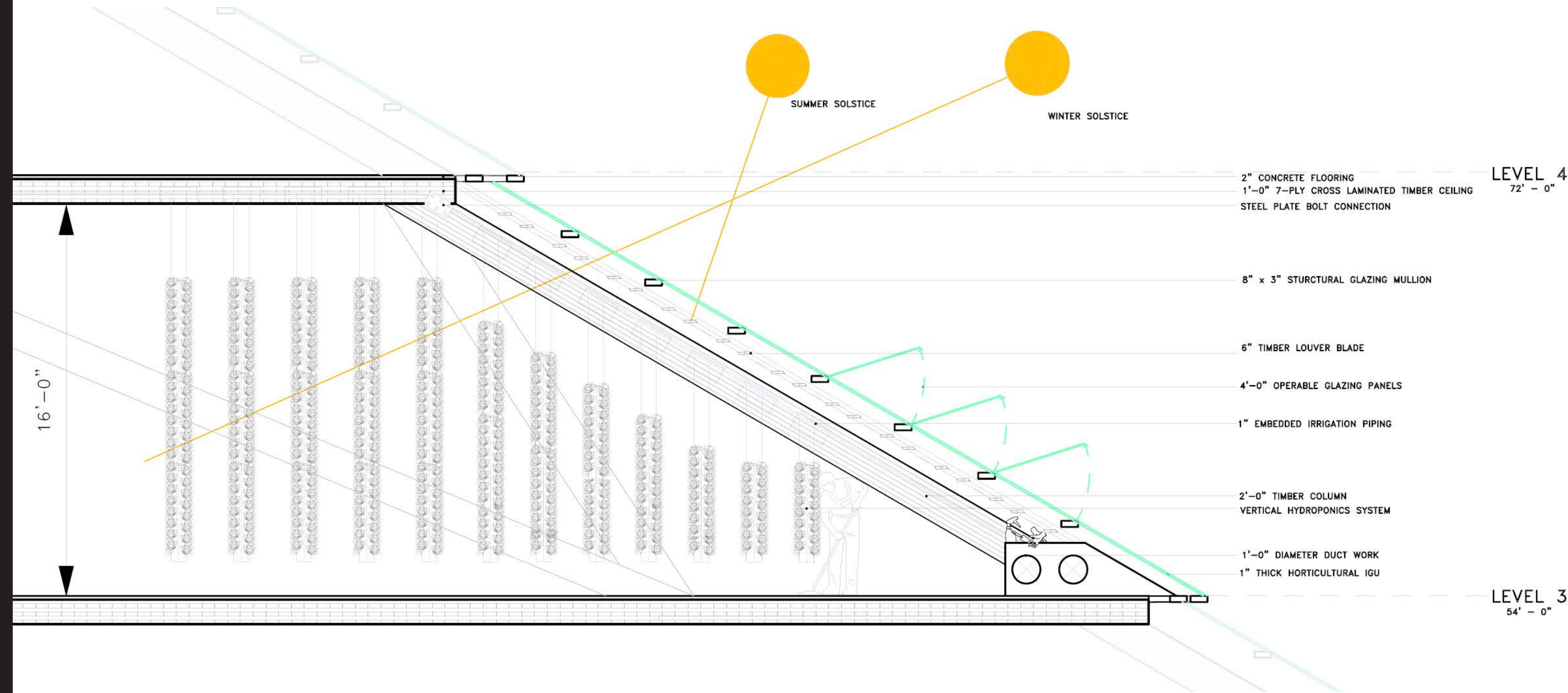
ANNUAL SOLAR EXPOSURE

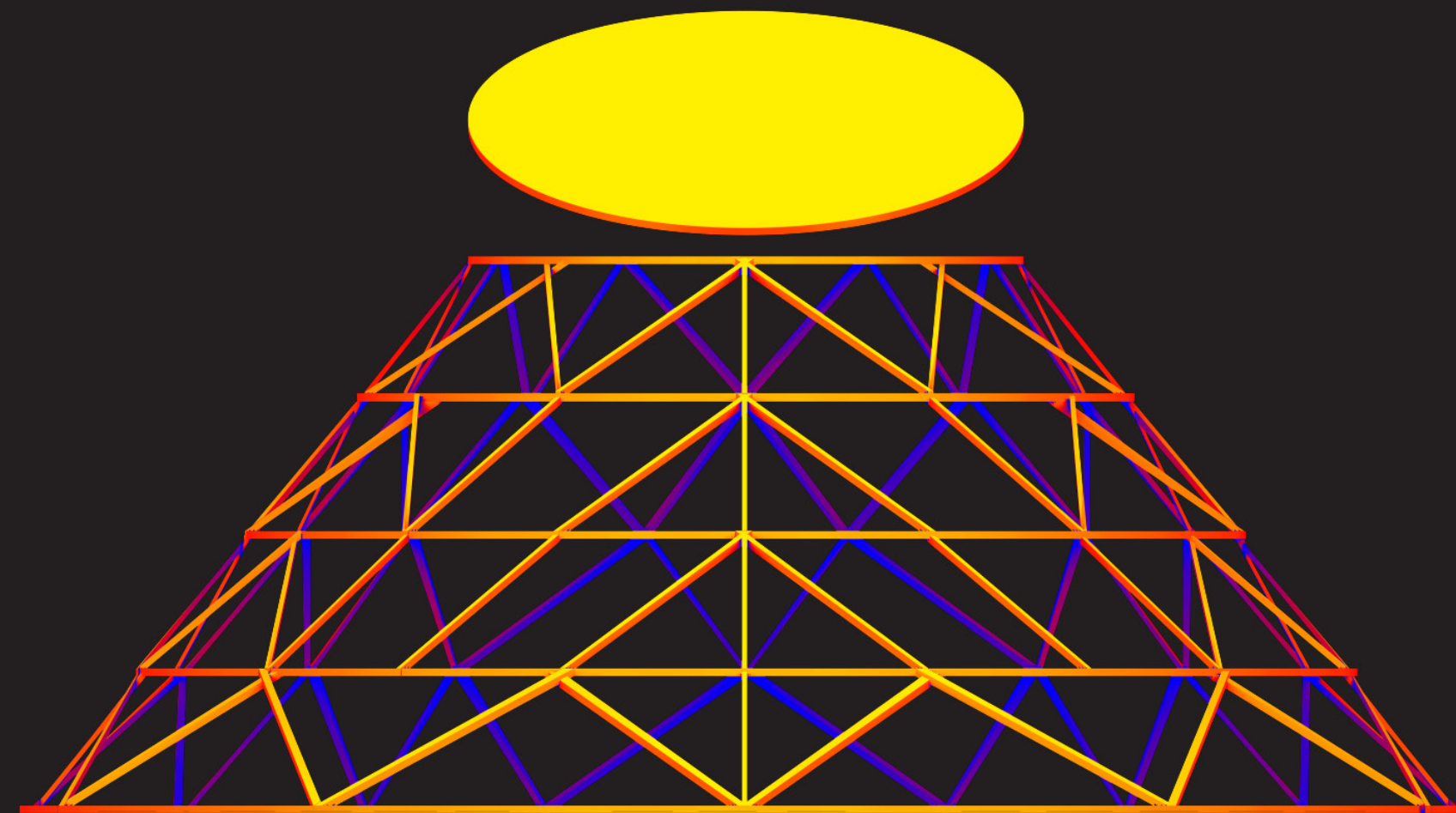
HOURS

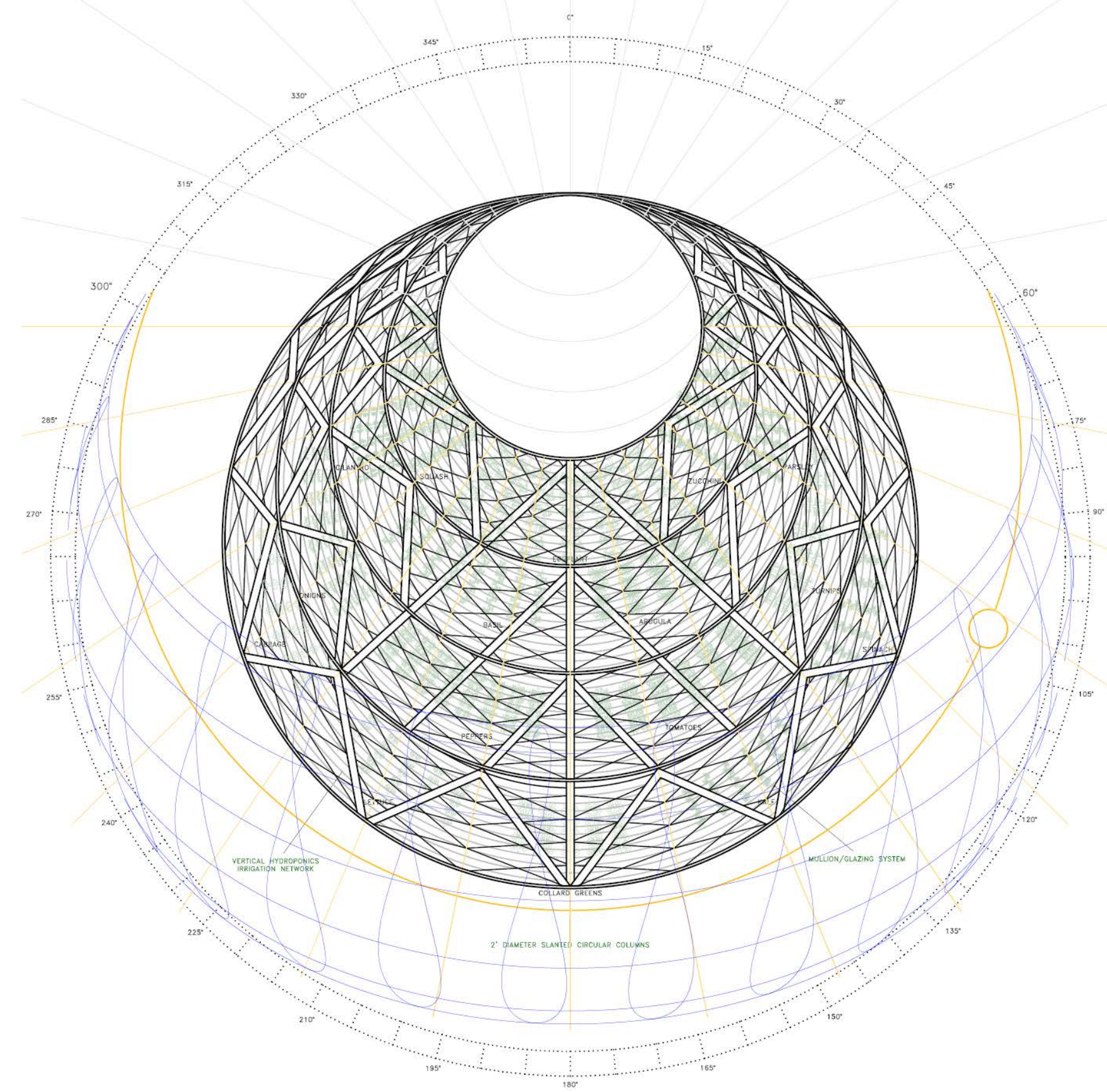
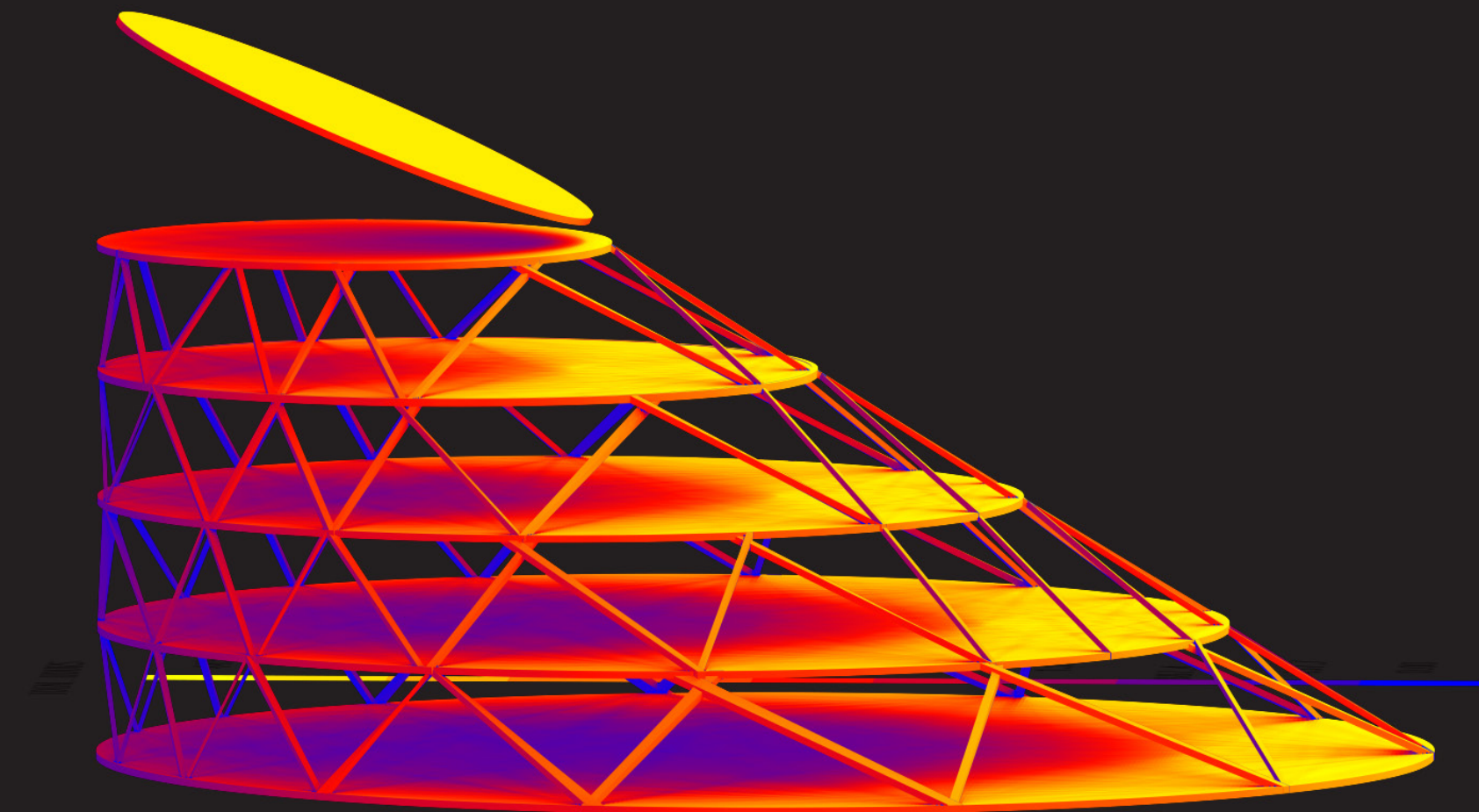


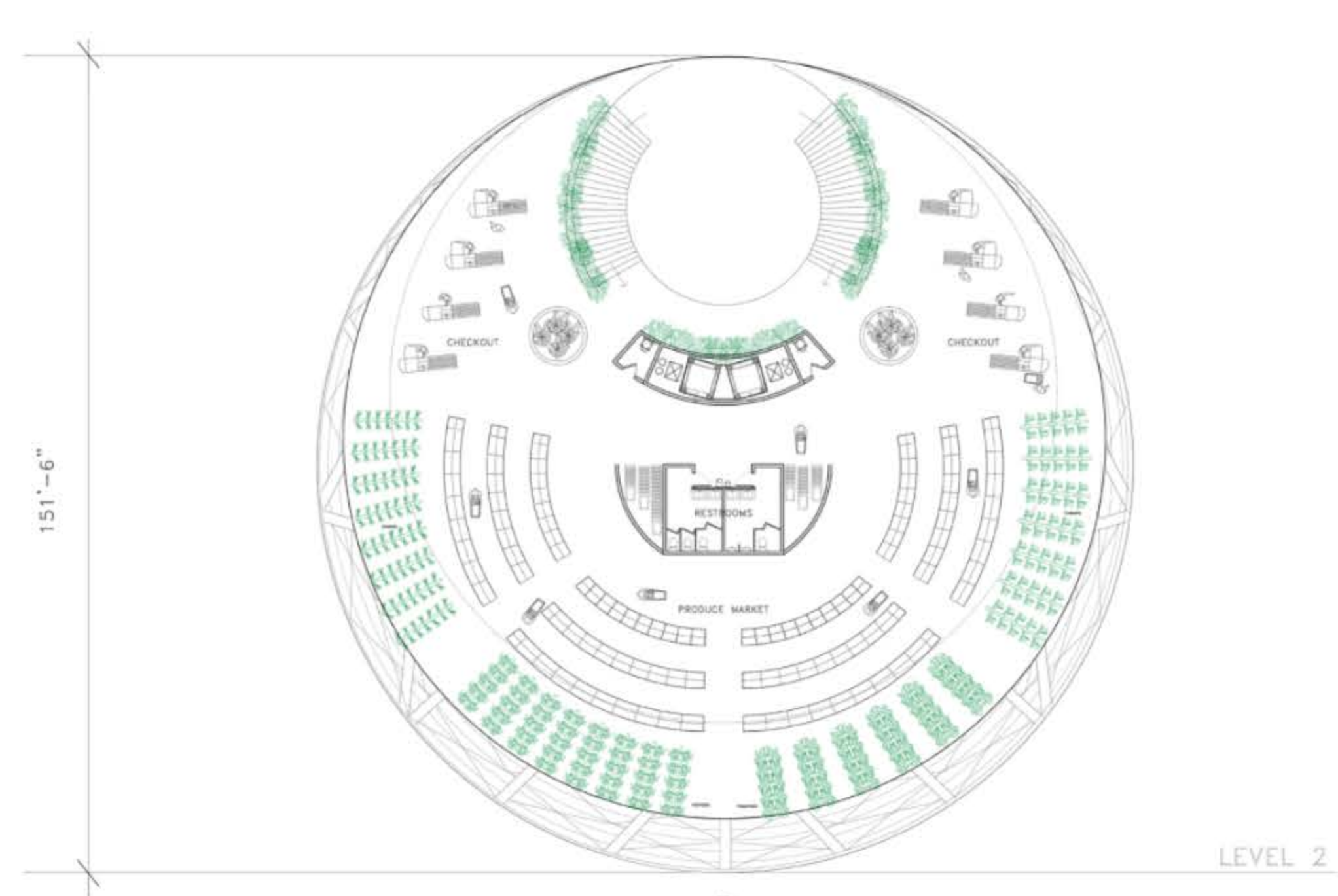
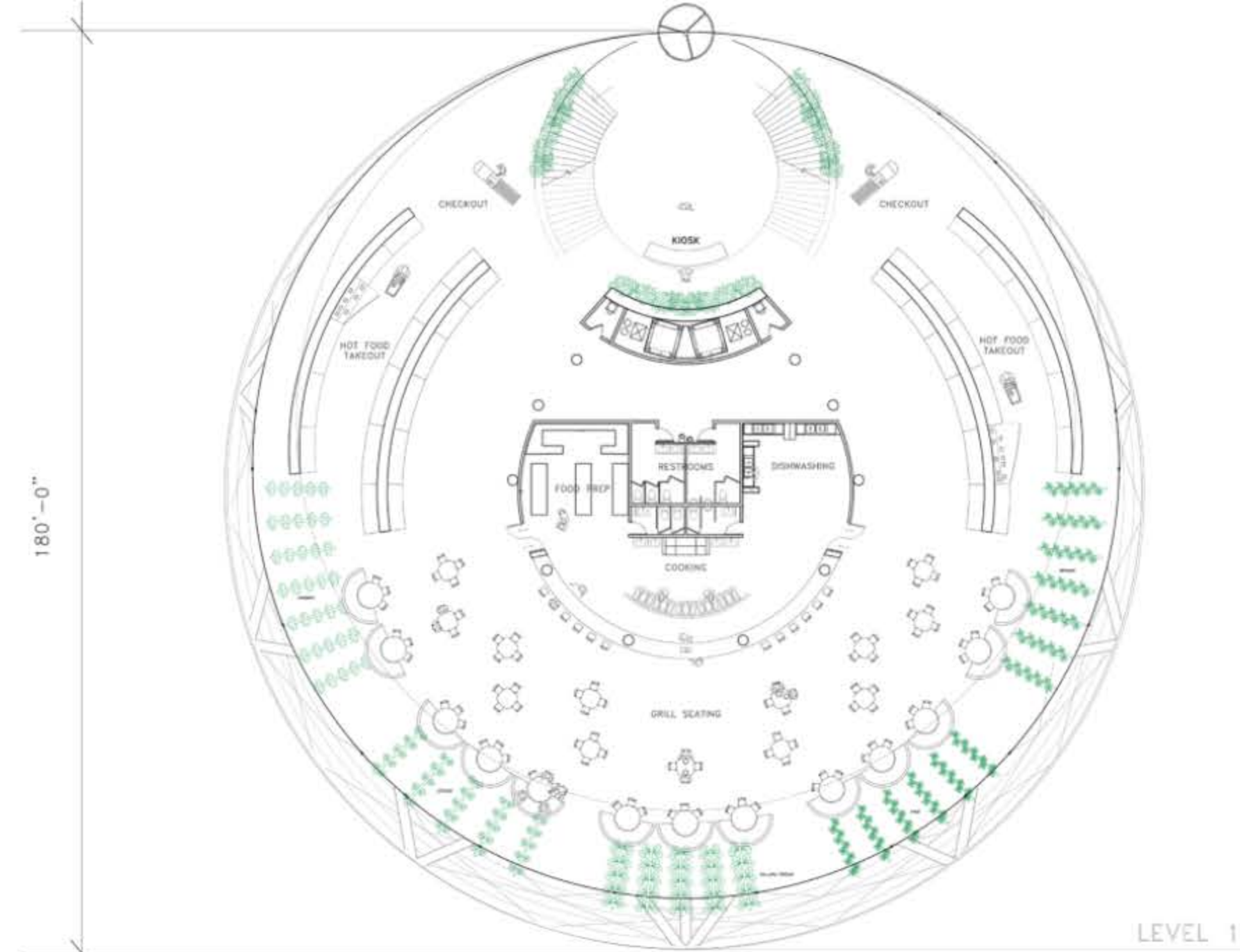
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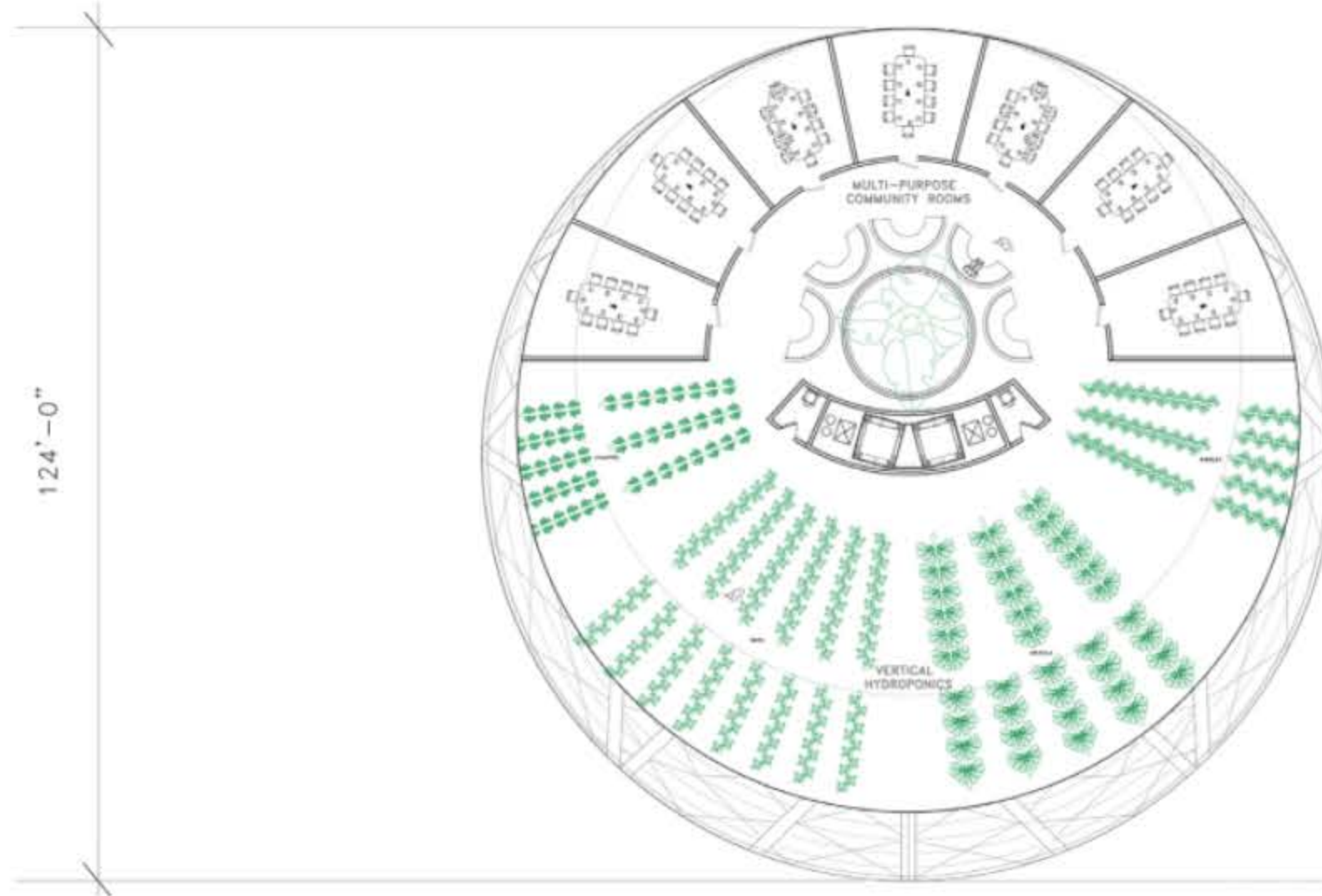
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LEVEL 3



LEVEL 4

03 Ndimbellante Housing

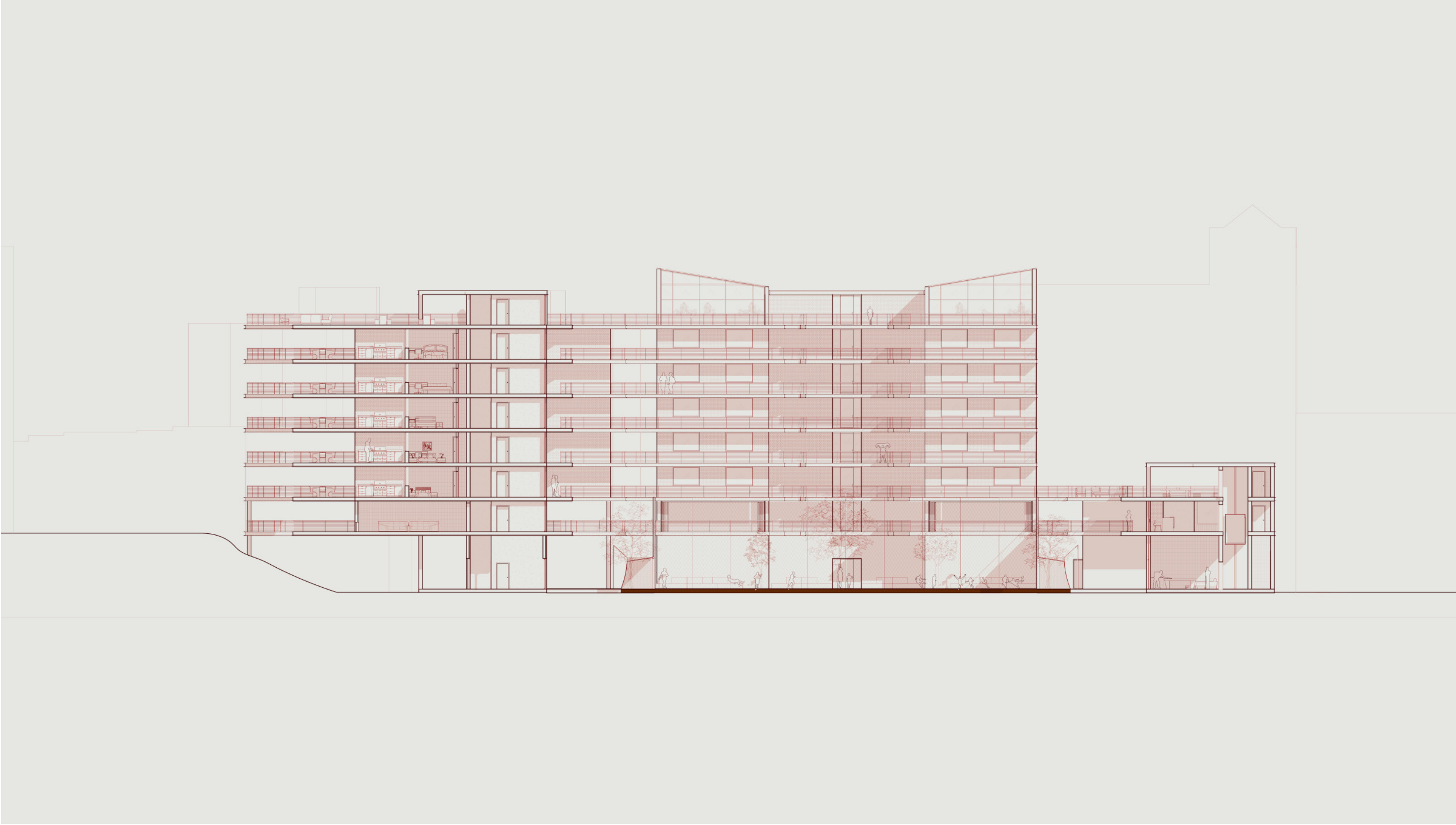
Collaboration with Jagger Udy

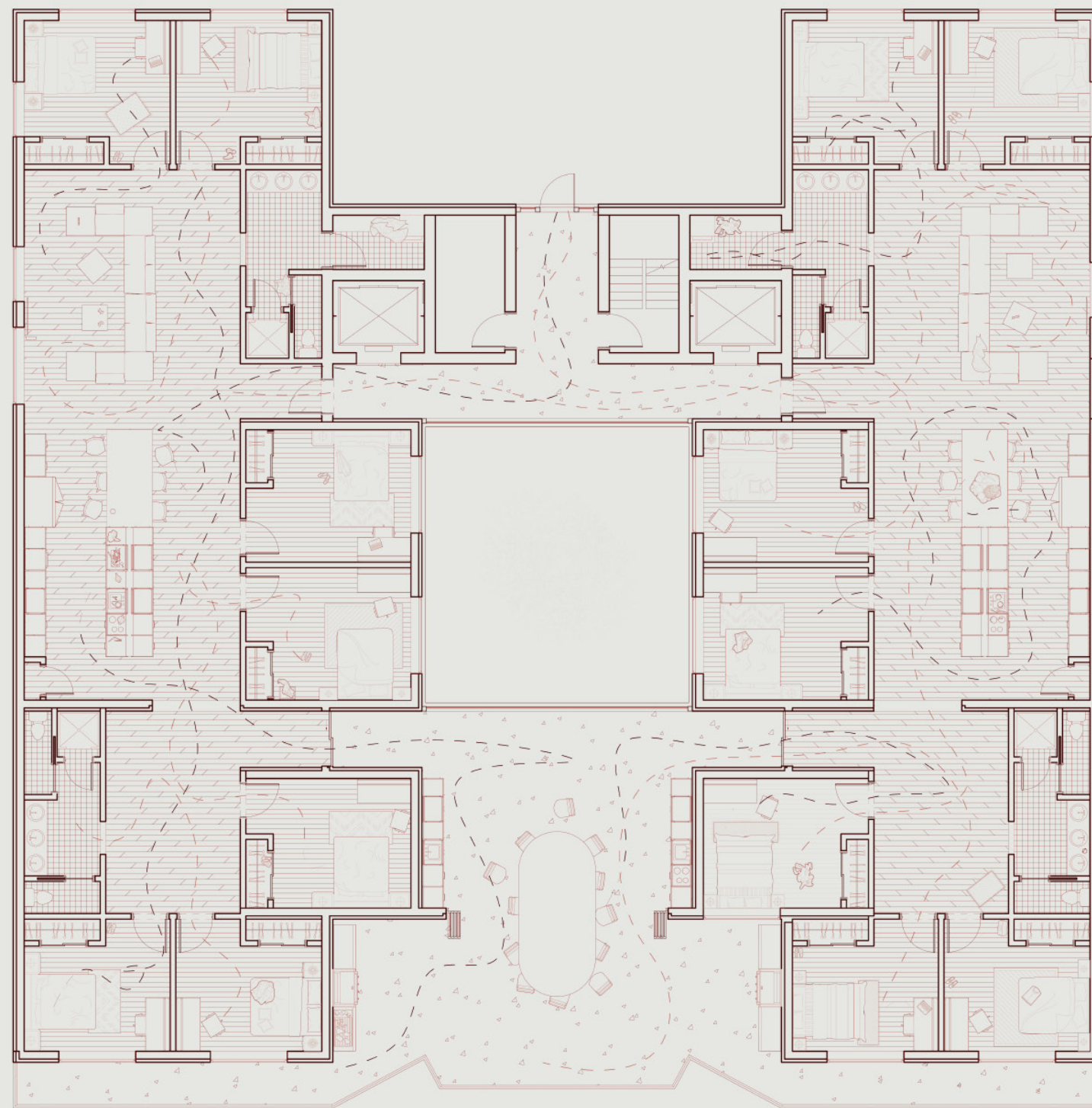
Located in the heart of Little Senegal, Harlem, this housing complex functions as a supportive residential sanctuary for young Senegalese immigrants, structured around the Senegalese cultural tenet of “Ndimbellante”, or reciprocal aid. The architectural organization reimagines the traditional Penc living style, clustering co-living units with adjustable partitions around shared amenities to balance privacy with communal interaction. This residential program is anchored by a central soccer field that serves as both a recreational nucleus and a social catalyst for the neighborhood. Designed to combat Seasonal Affective Disorder through maximized natural light and passive ventilation, the building further integrates a biophilic rooftop garden and greywater recycling system to supply an on-site food bank. By synthesizing low-barrier wellness services with culturally resonant spatial typologies, the project transforms the typical housing model into a culturally specific model of psychological and social resilience for an insufficiently supported immigrant population.

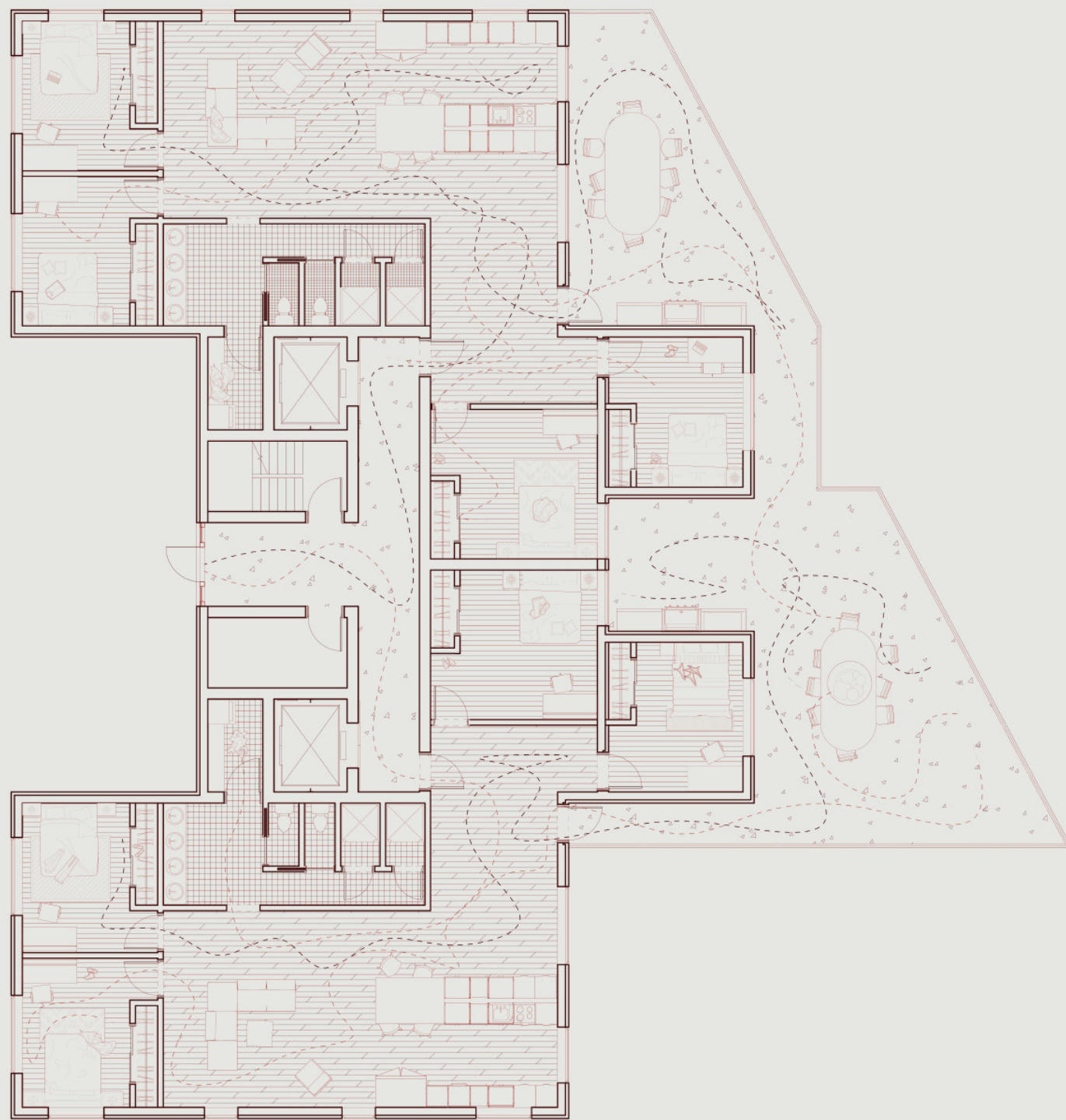
Core Architecture Studio 3 - Nina Cooke John









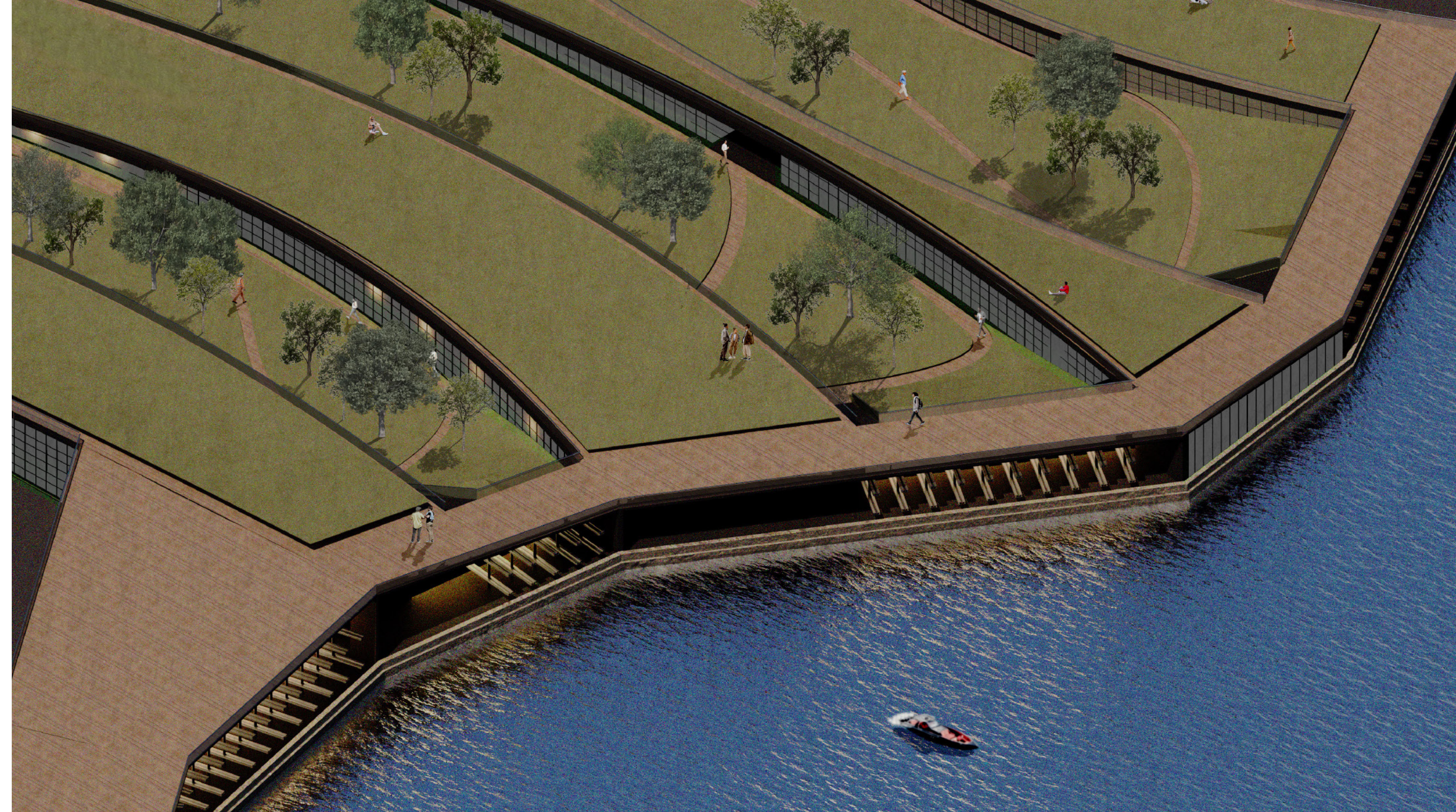


04 Star Island Living Levee

Collaboration with Isaiah Davis

Reimagining a six-acre nature preserve in Montauk's VE floodplain, this proposal establishes a resilient, community-centered housing development for the region's seasonal Latino immigrant workforce. The project integrates 71 residential units—ranging from seasonal studios to family apartments—with a dual-revenue economic model consisting of a dry stack boat storage marina and a flower shop to subsidize long-term affordability. Architecturally, the design employs elevated green pathways, sloping timber-clad forms, and a concealed levee system to mitigate sea-level rise while democratizing waterfront access through public pocket parks. Supported by strategic partnerships with Habitat for Humanity and the Organizacion Latino Americana, this hybrid housing-infrastructure-ecology model transforms exclusionary coastal land into a stable community anchor, providing a replicable framework for equitable development in vulnerable, high-cost geographies.

Advanced Architecture Studio 4 - Feifei Zhou





PERMANENT POPULATION

SEASONAL WORKERS

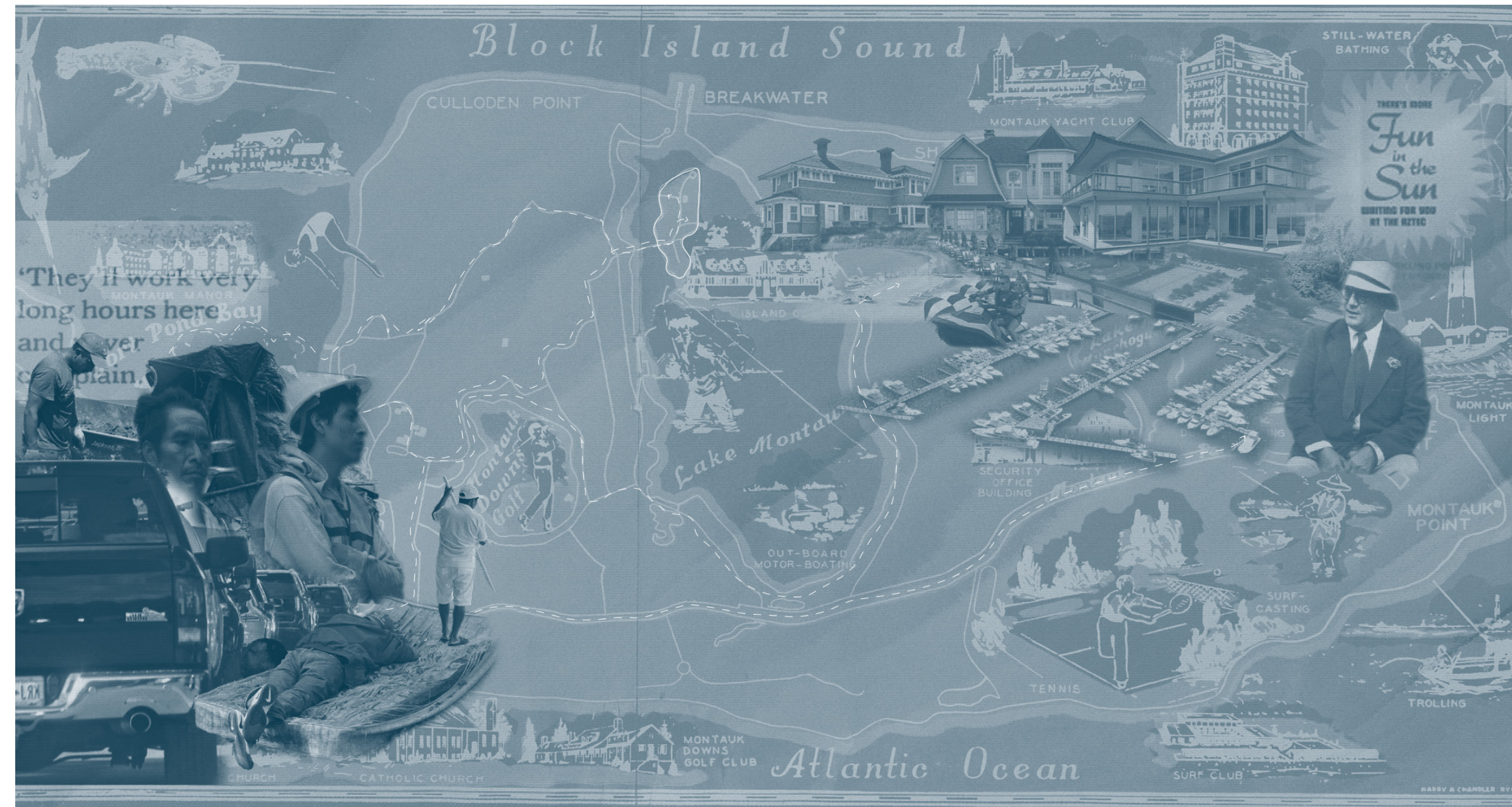
BUSINESS ACTIVITY

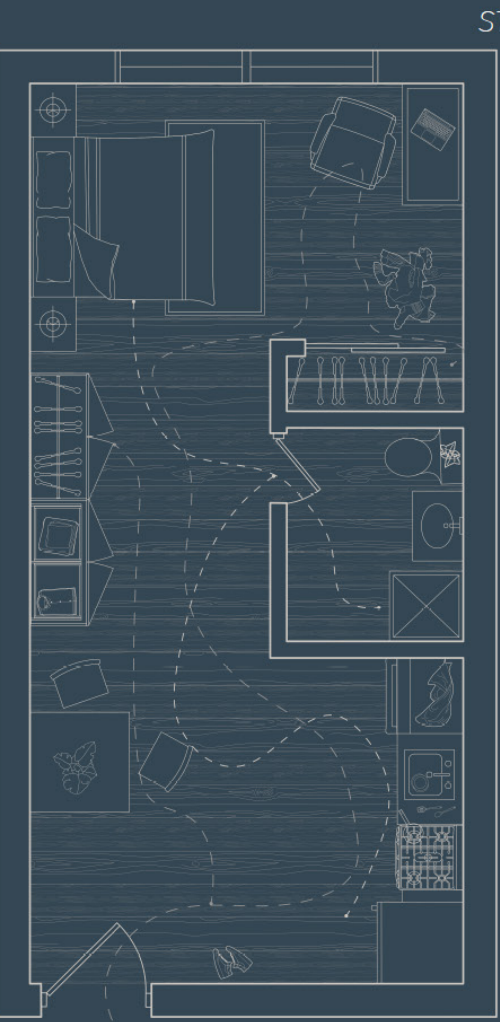
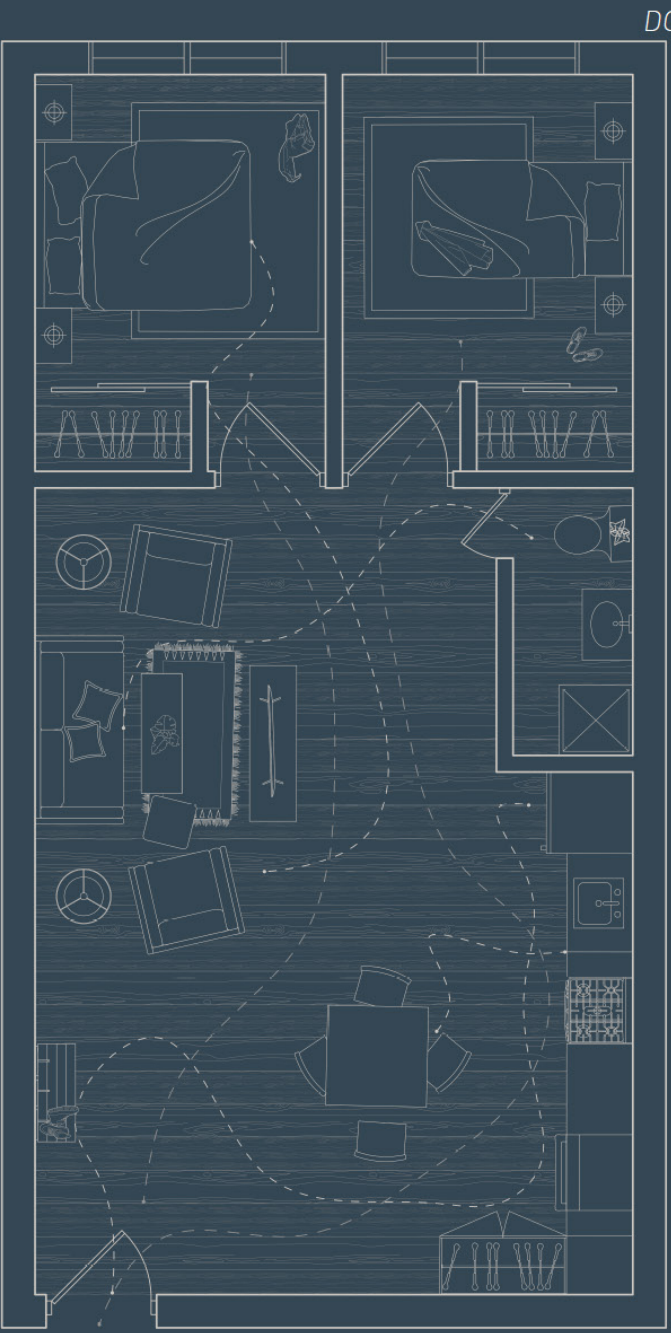
HOUSING DEMAND

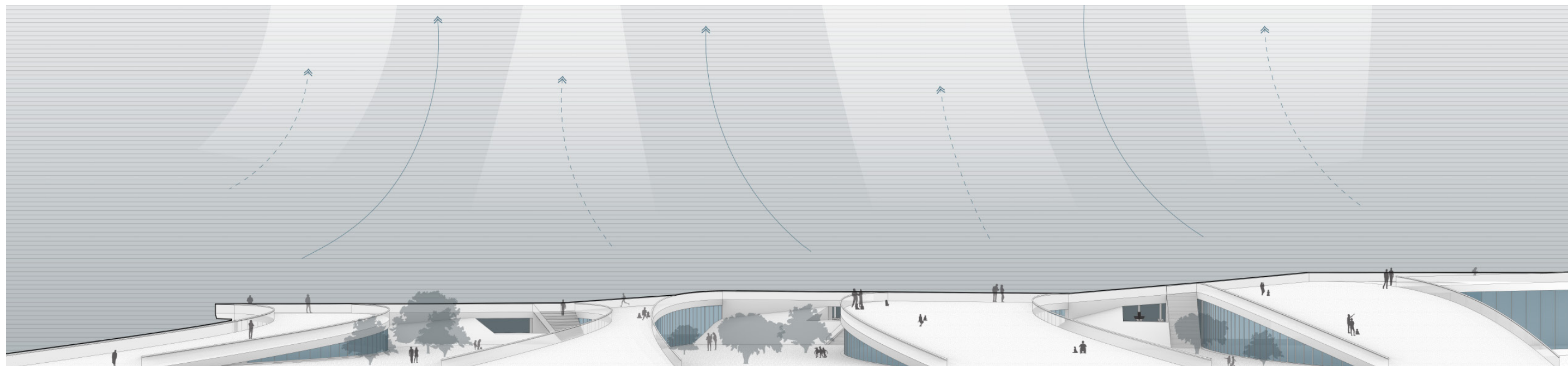
TRANSIT USAGE

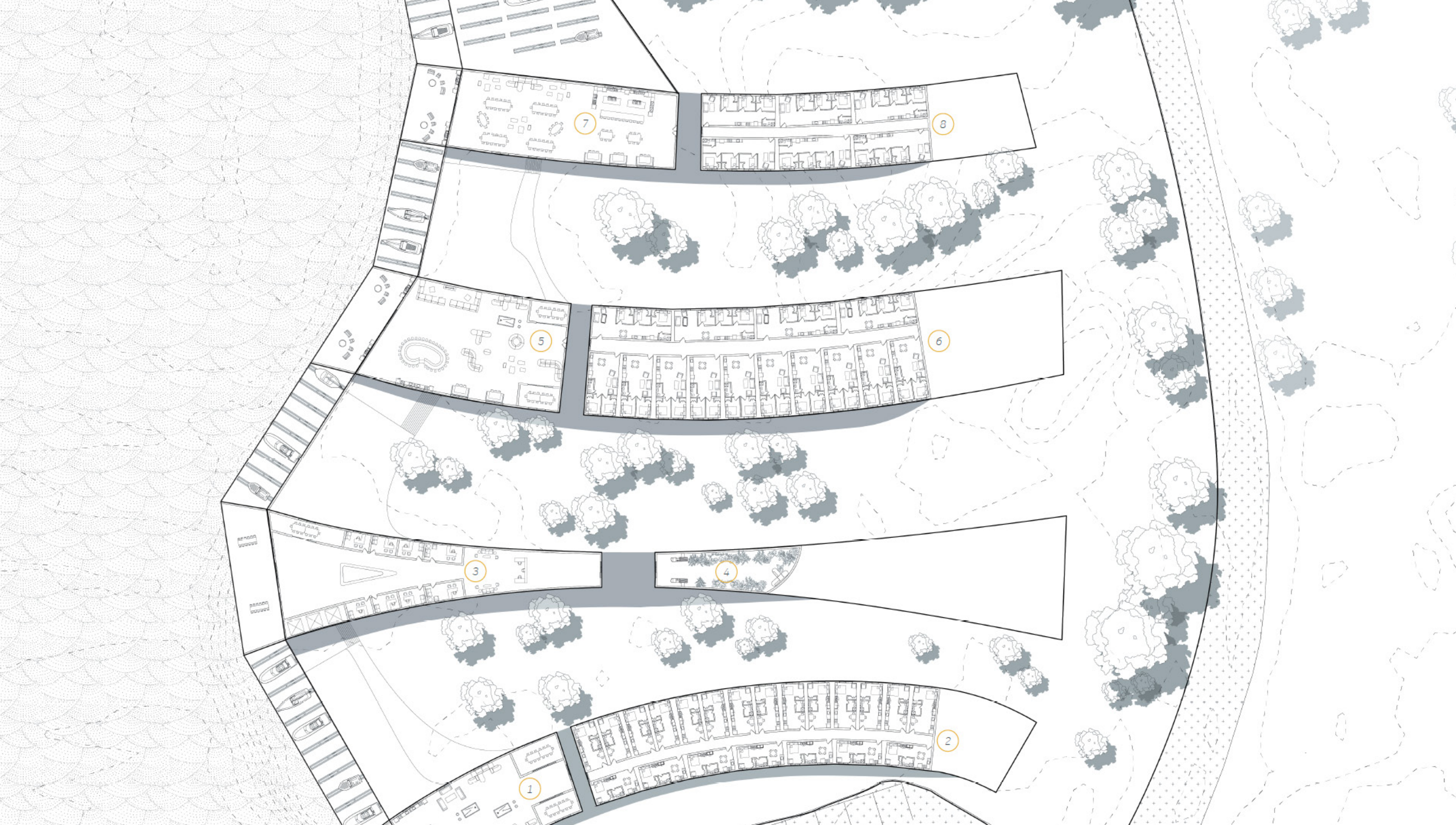
STORM SEASON

01 02 03 04 05 06 07 08 09 10 11 12









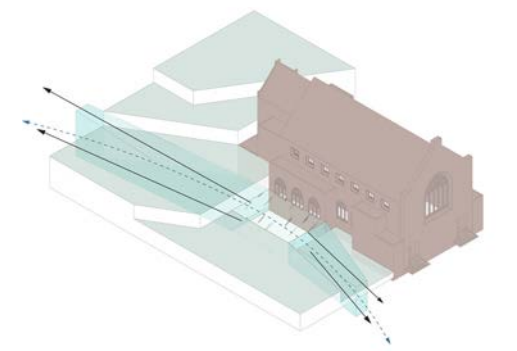
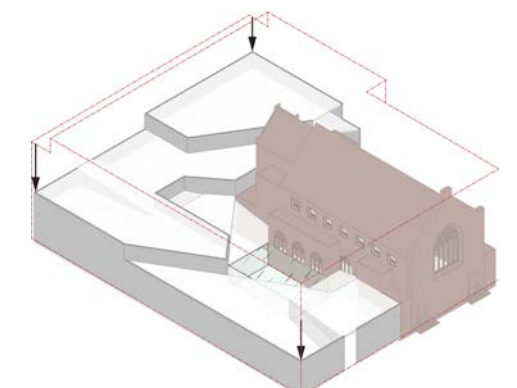
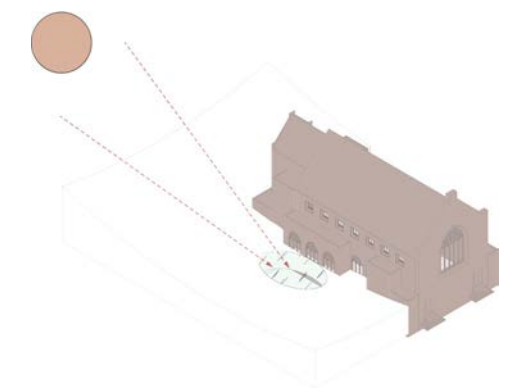
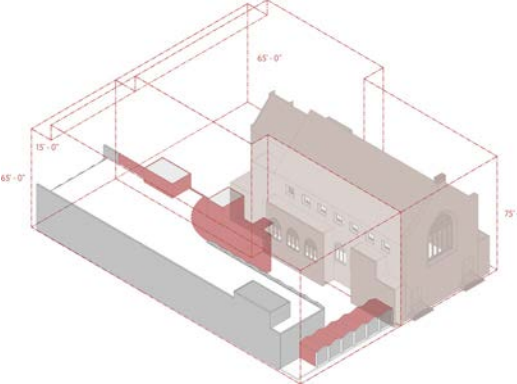
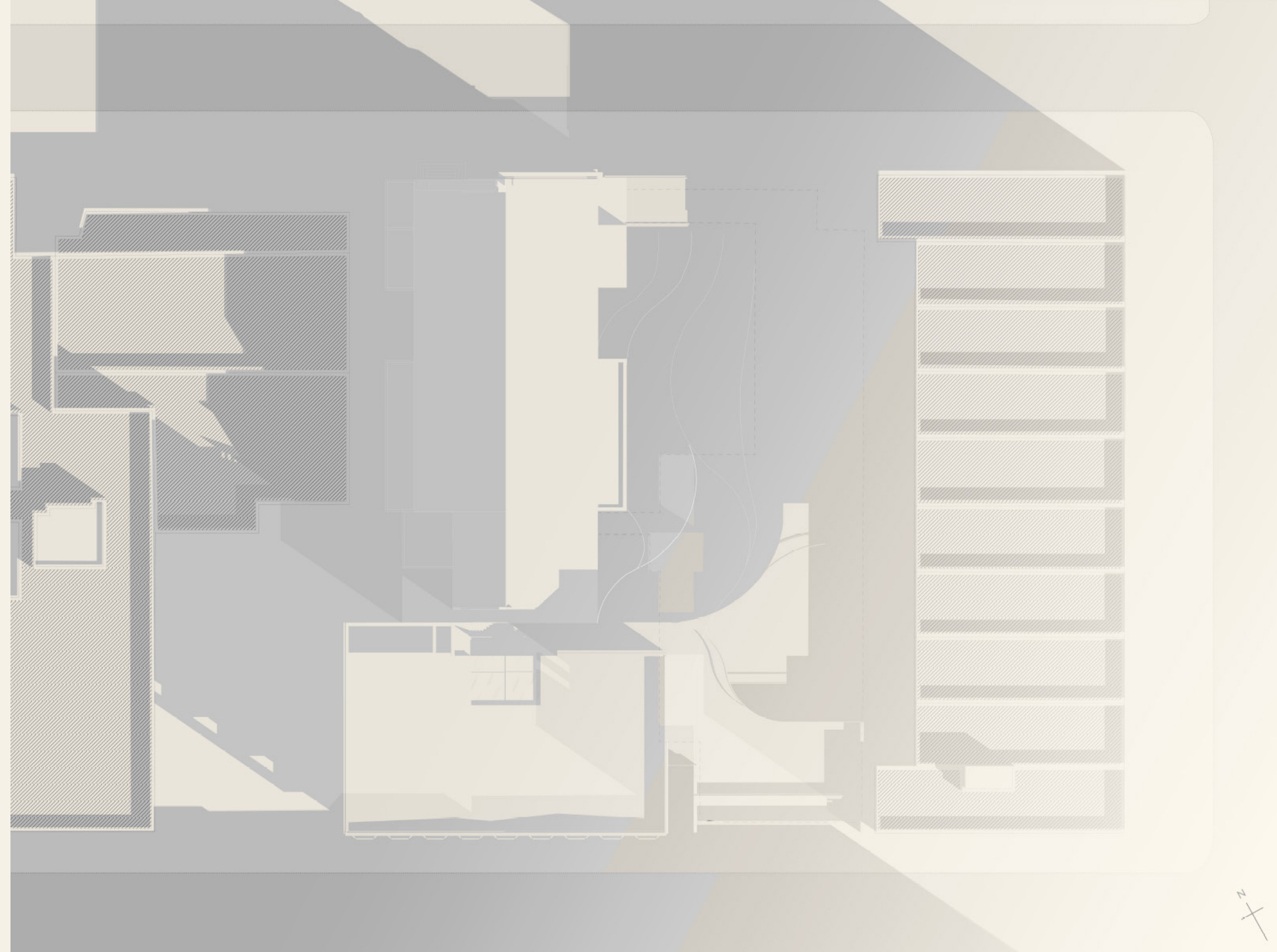
05 Harlem Lane: Genesis

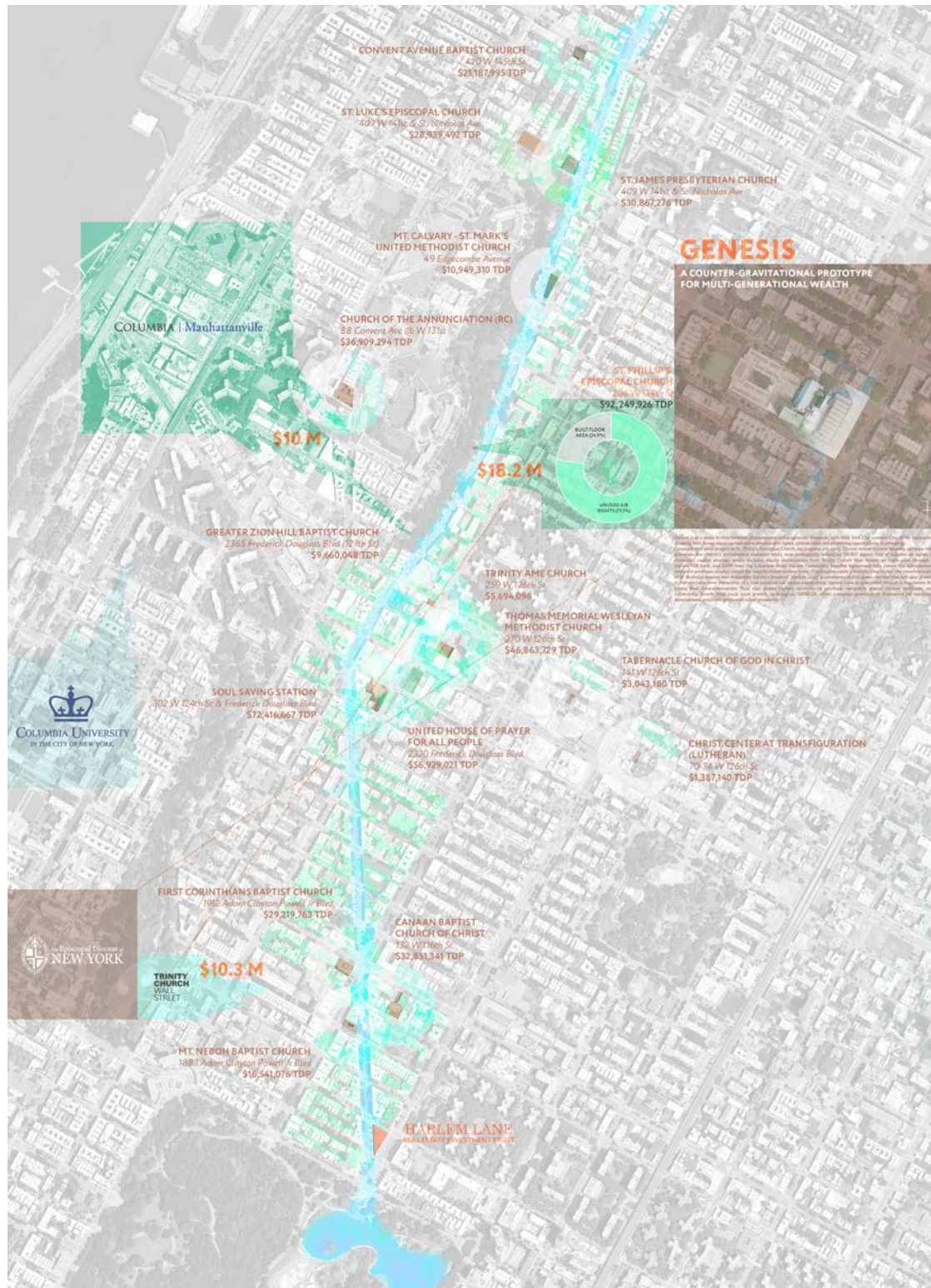
Collaboration with Jagger Udy

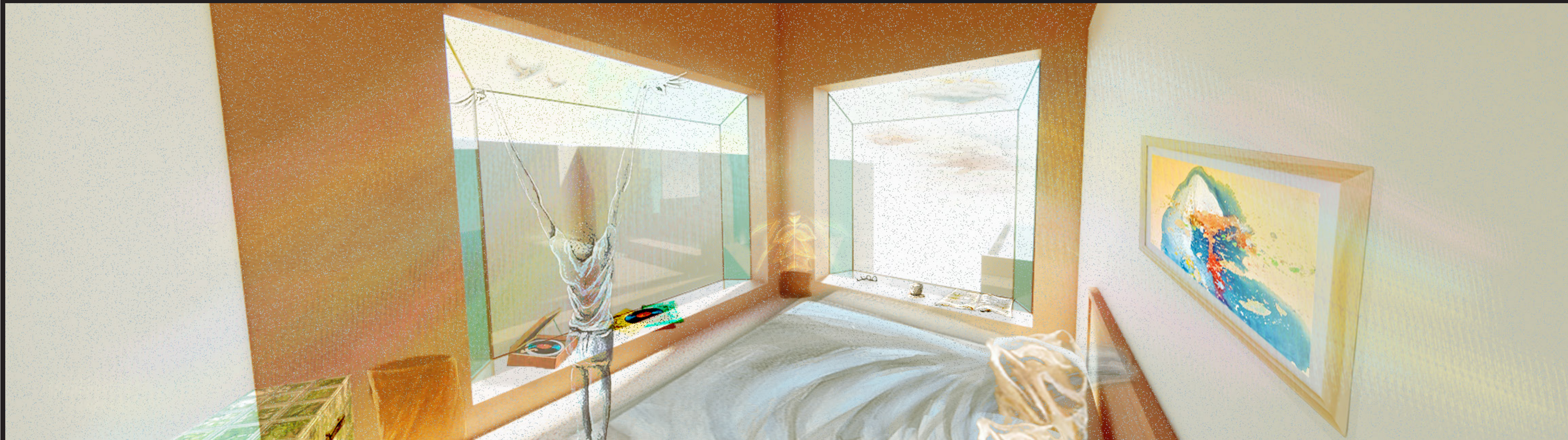
Genesis proposes a faith-based development model that leverages City of Yes zoning reforms, adaptive reuse, and creative financing to generate multi-generational wealth for Harlem residents. Centered on St. Philip's Episcopal Church, the project introduces a 32-unit mixed-income housing complex that preserves the church's architectural character and sacred light access while unlocking 116,927 square feet of sellable air rights. A three-part capital strategy, which includes equity participation from faith-based developers working alongside Trinity Church's Mission Real Estate Development, an air right sales through the creation of a Harlem TDR bank, and \$10M from the Columbia–West Harlem Community Benefits Agreement fully covers the development costs and produces surplus capital for neighborhood reinvestment. This surplus seeds the transformation of St. Nicholas Avenue into Alexander Garvin's dream of "Harlem Lane," a continuous public green corridor. Long-term ownership of a new pipeline real estate assets along Harlem Lane is structured through a Regulation A+ Equity Real Estate Investment Trust that allows Harlem residents to purchase ownership shares, and benefit from local asset growth. In doing so, this housing prototype offers a counter-gravitational framework for equitable development and community-controlled prosperity.

Advanced Architecture Studio 5 - Gary Bates



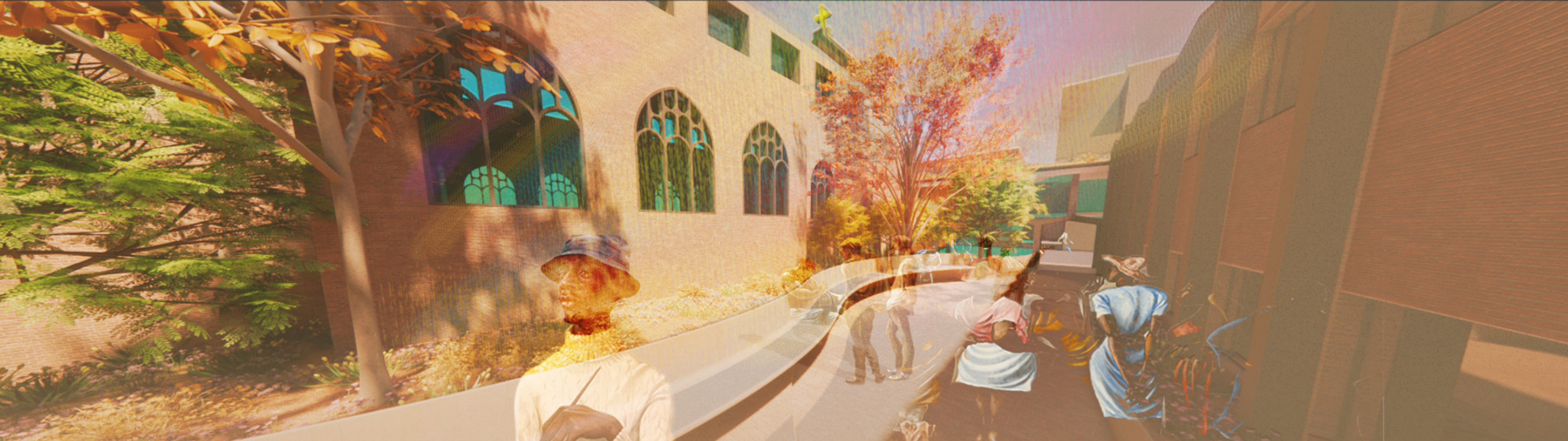




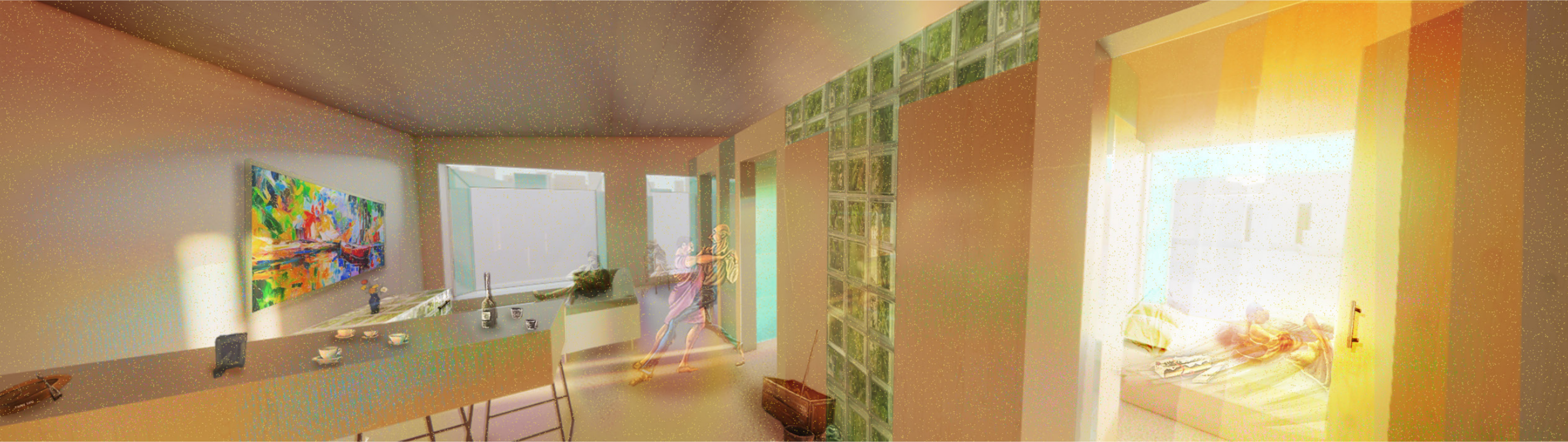


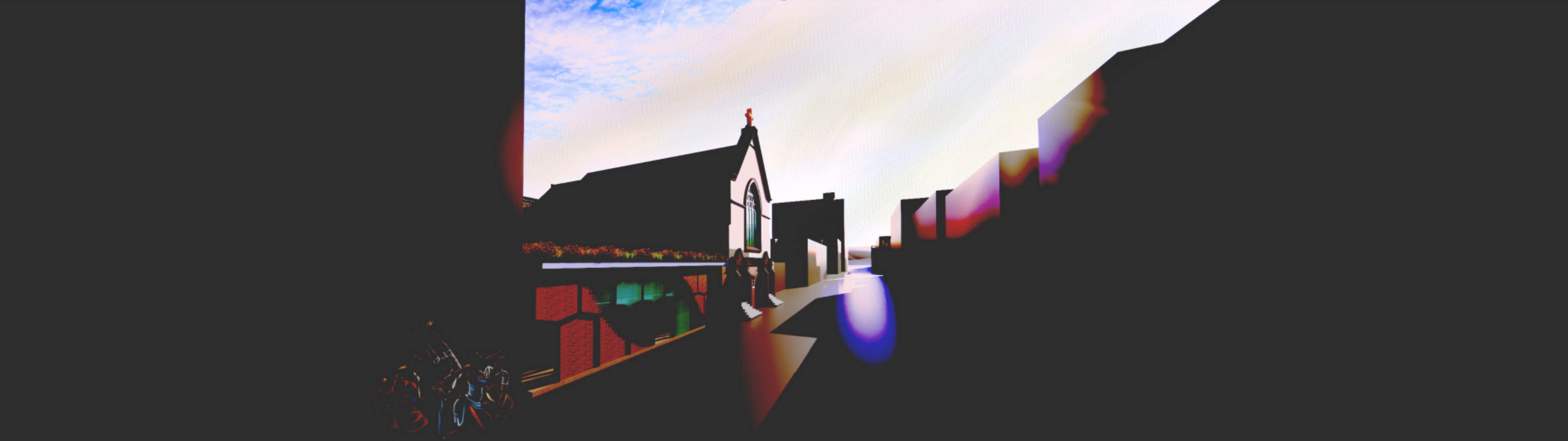


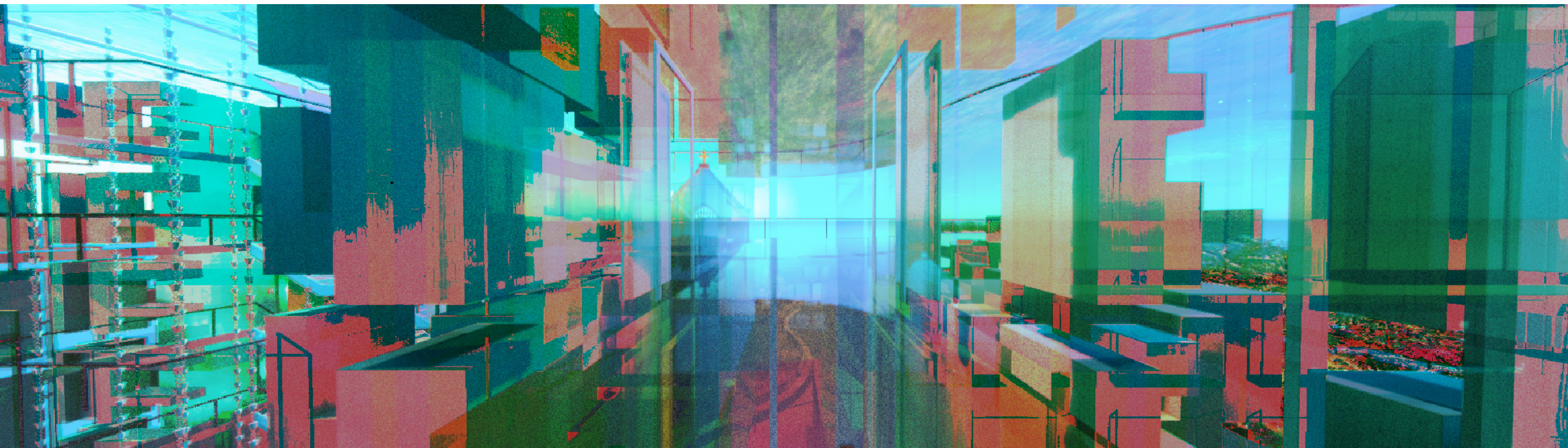












06 Remediating the ~~Sackler~~ Wing

Remediating the Wing is a provocative architectural subversion that repurposes the Metropolitan Museum’s former Sackler Wing, once a monument to “volumetric posturing and institutional capital cleansing, into a high-design outpatient rehabilitation facility. In response to the 2025 landmark settlement, the project dismantles the Sackler’s engine of private profit that fueled the opioid crisis, transforming a space once defined by its aesthetic guise and cultural capital into a public trust for repair. Utilizing a strategy of architectural encroachment, the medical infrastructure wraps the existing temple without damaging the artifacts, physically implicating the museum’s complicity in the Sackler legacy. The program introduces an “elevated blue-collar luxury” for working-class patients, integrating Medication-Assisted Treatment (MAT) with atypical therapies like trapeze and canine care within a landscape of art world luxury items from artists like Herman Miller and Mondrian. By making the labor of healing visible through strategic circulation the design dissolves the boundary between the clinic and the gallery, effectively converting a history of chemical degradation into a terminal point for institutional and chemical recovery.

Advanced Architecture Studio 6 - Mark Wasiuta



1 WAITING ROOM



5 CANINE THERAPY



2 MAT ROOMS



3 PHARMACY

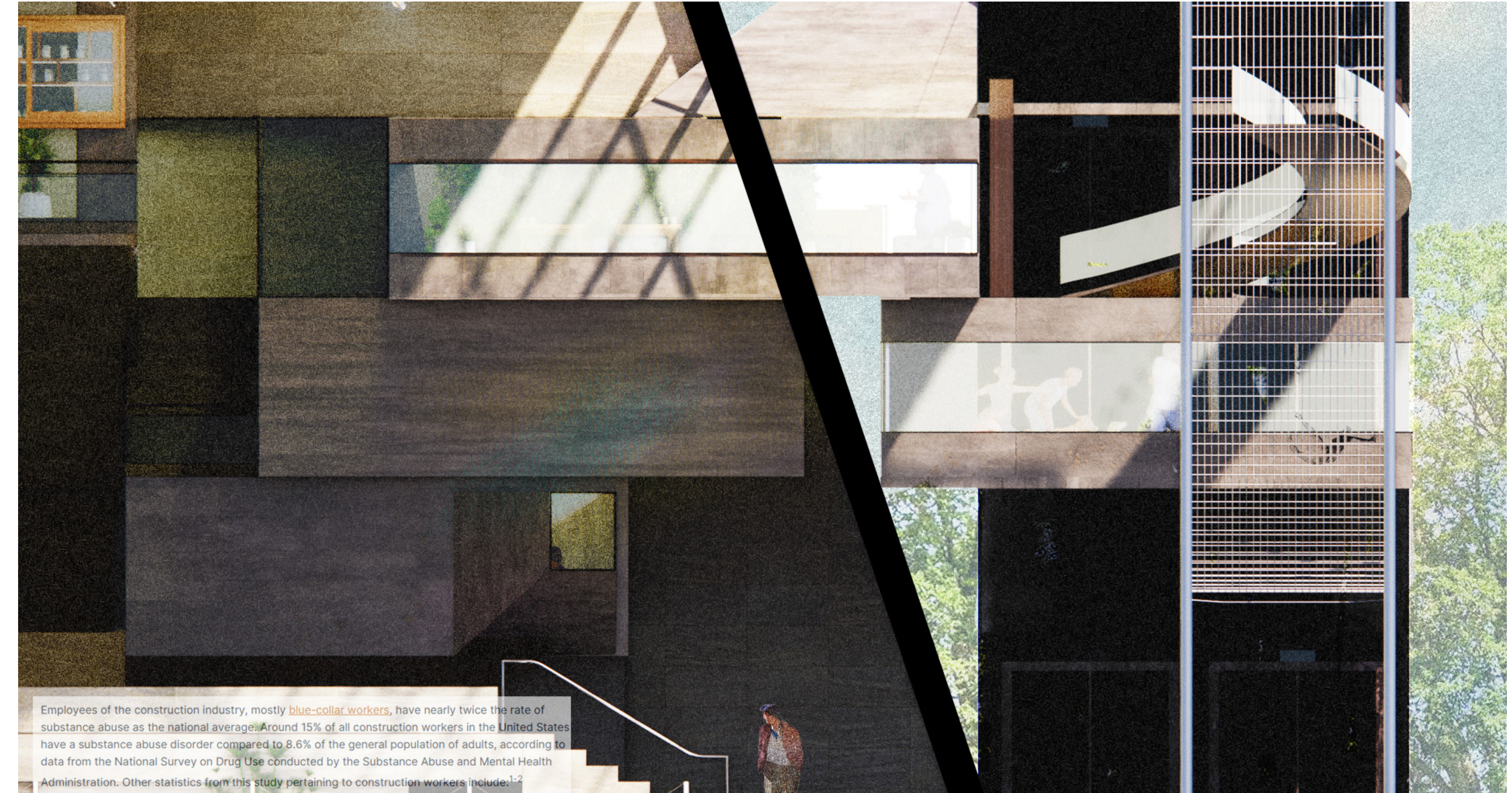


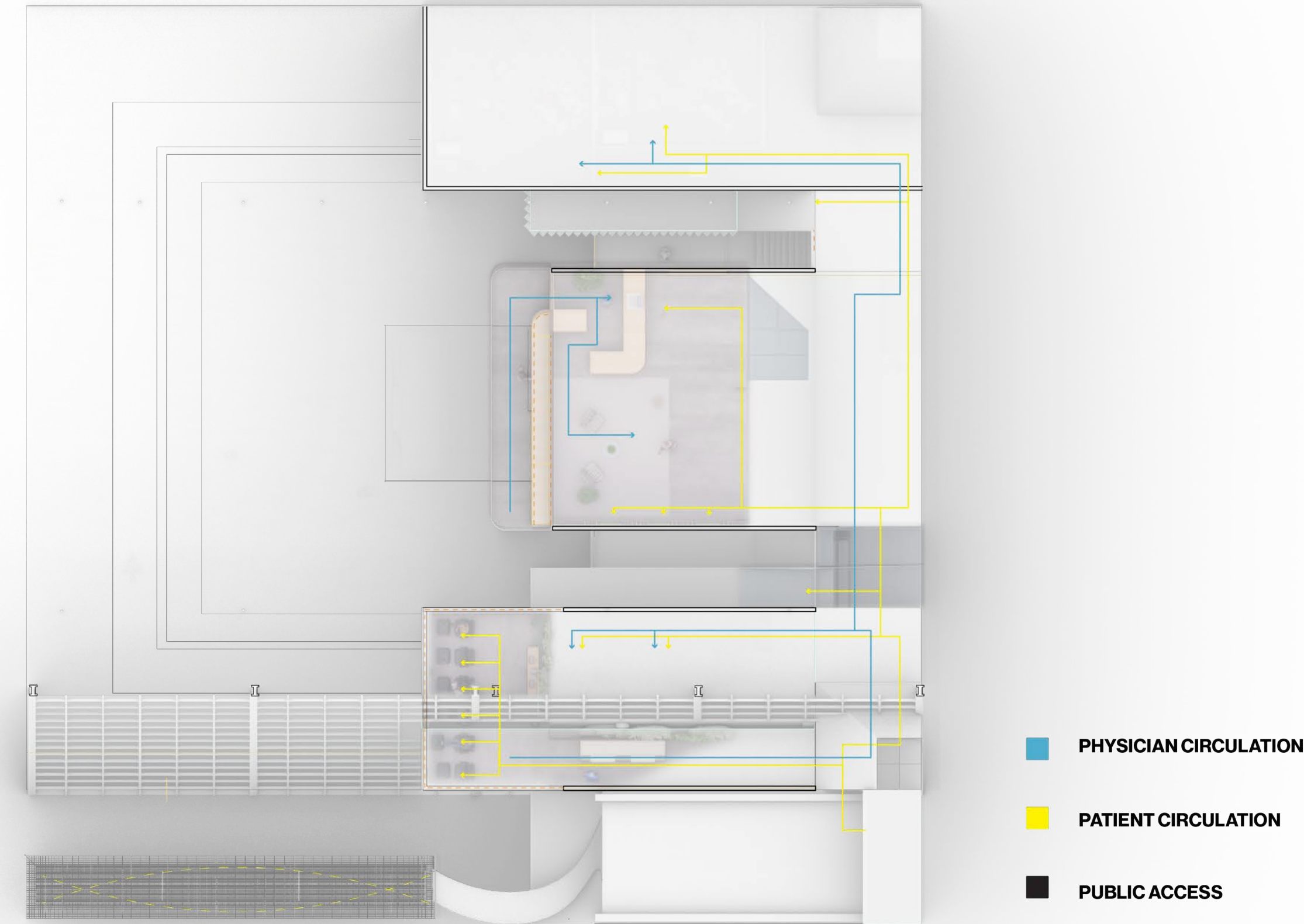
4 COUNSELING (GROUP & PRIVATE)



6 TRAPEZE THERAPY

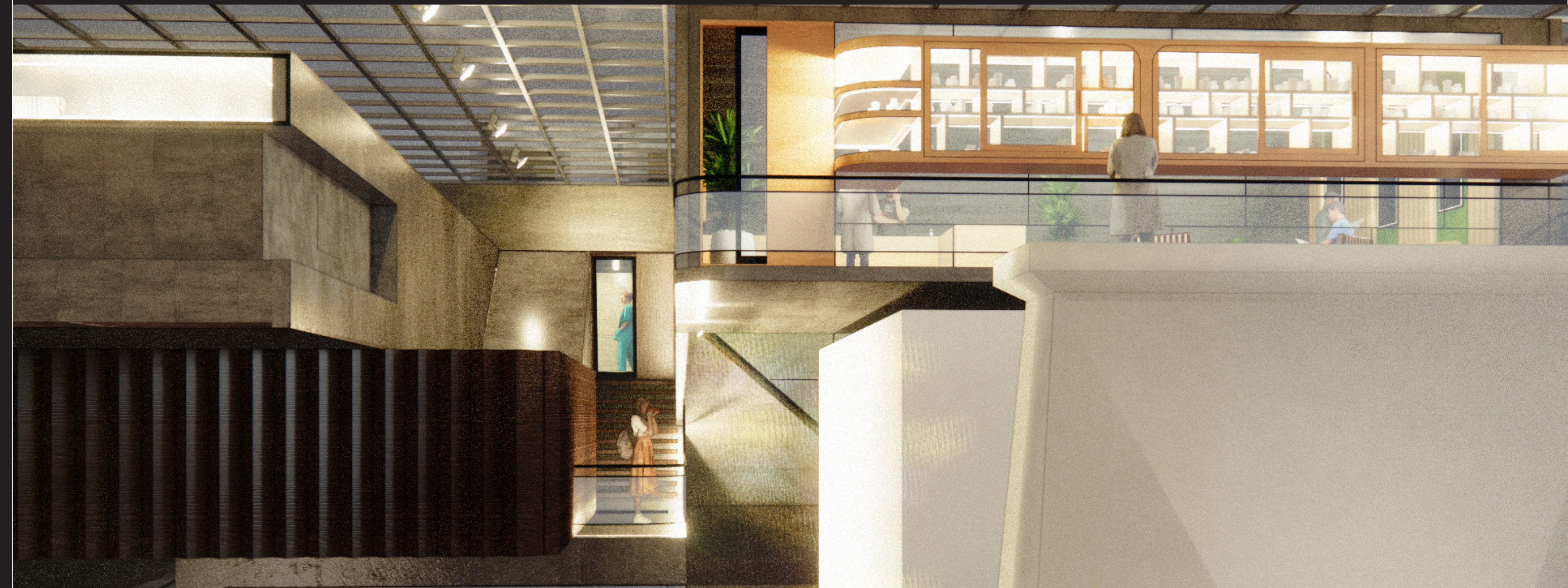














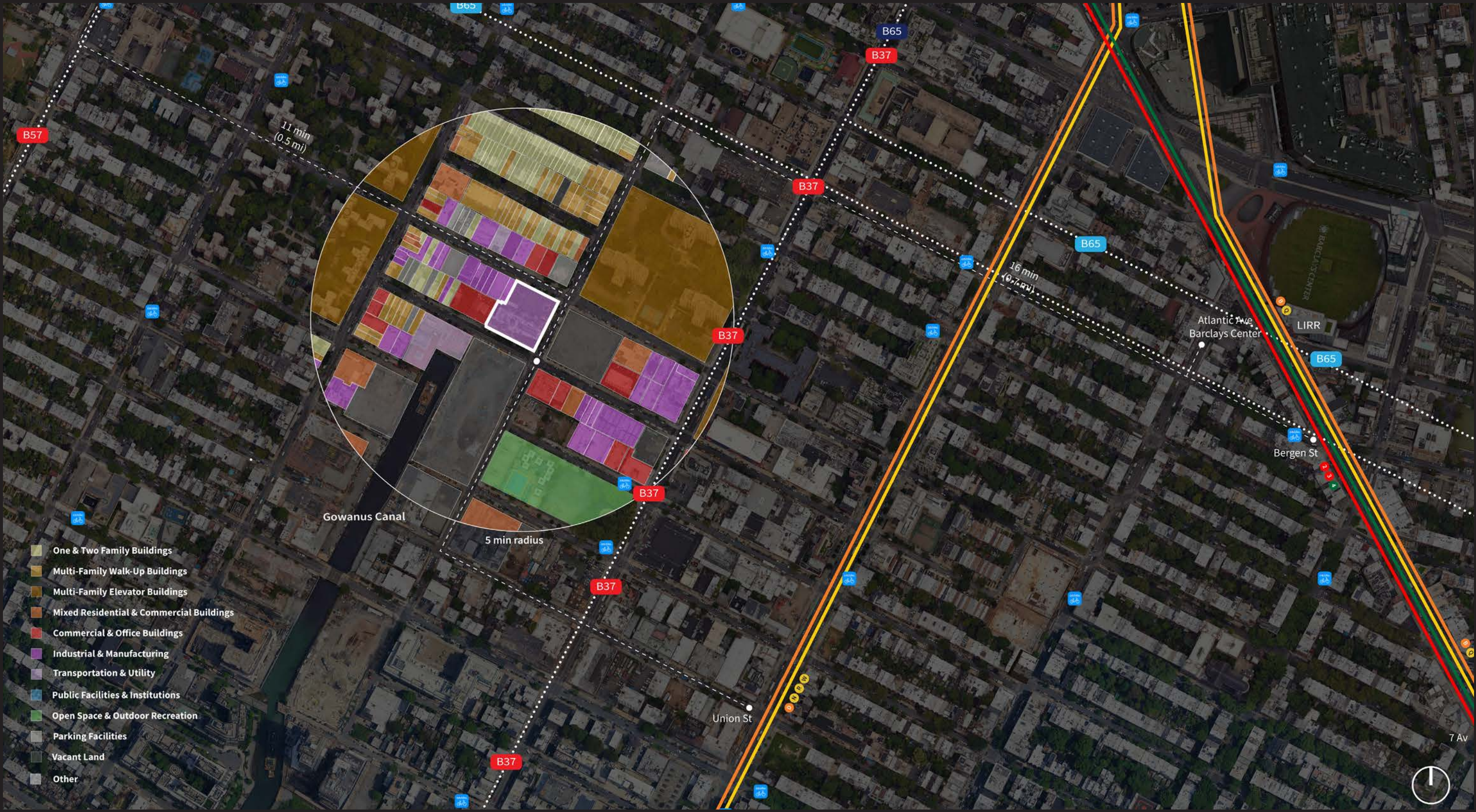
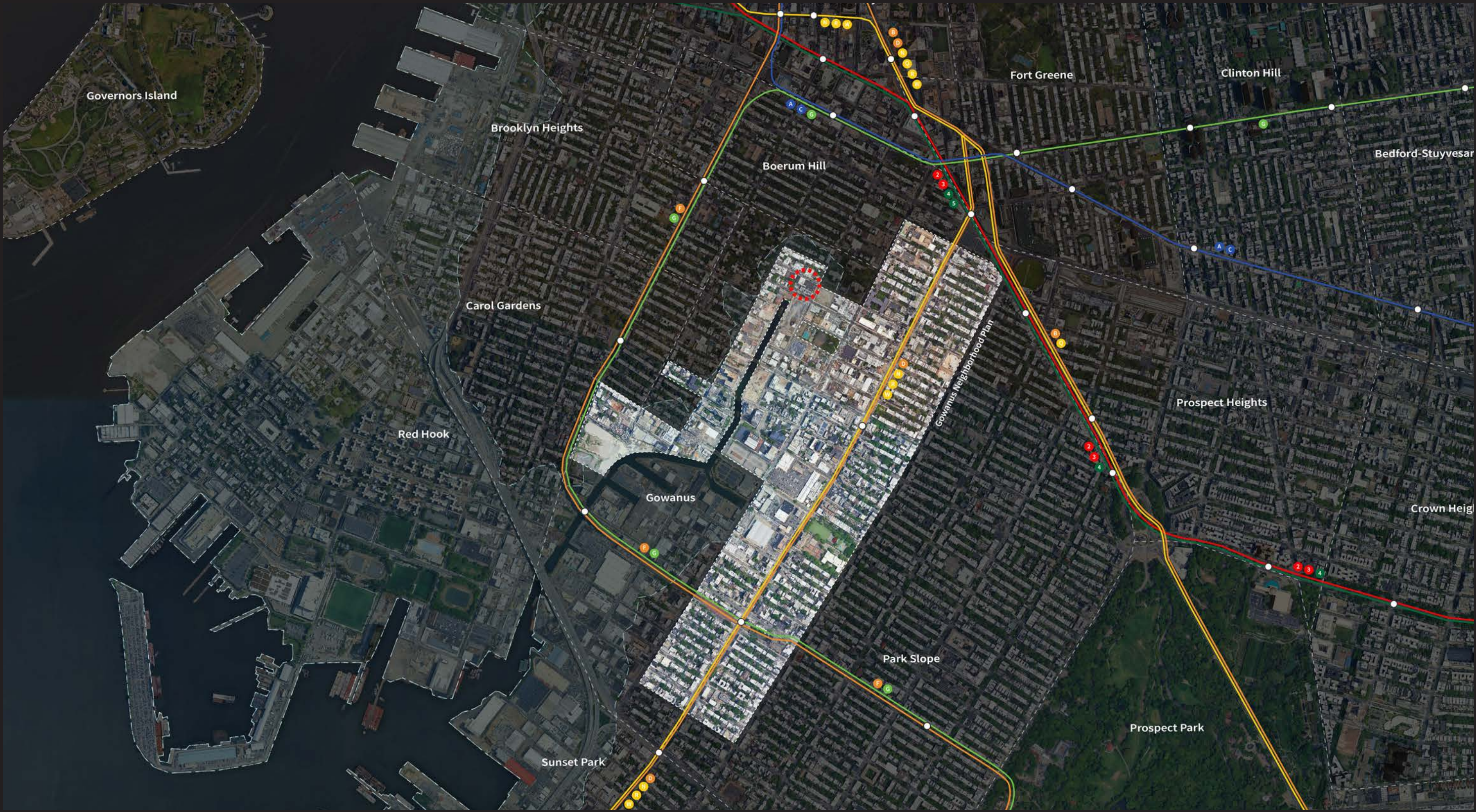
07 222 Nevins

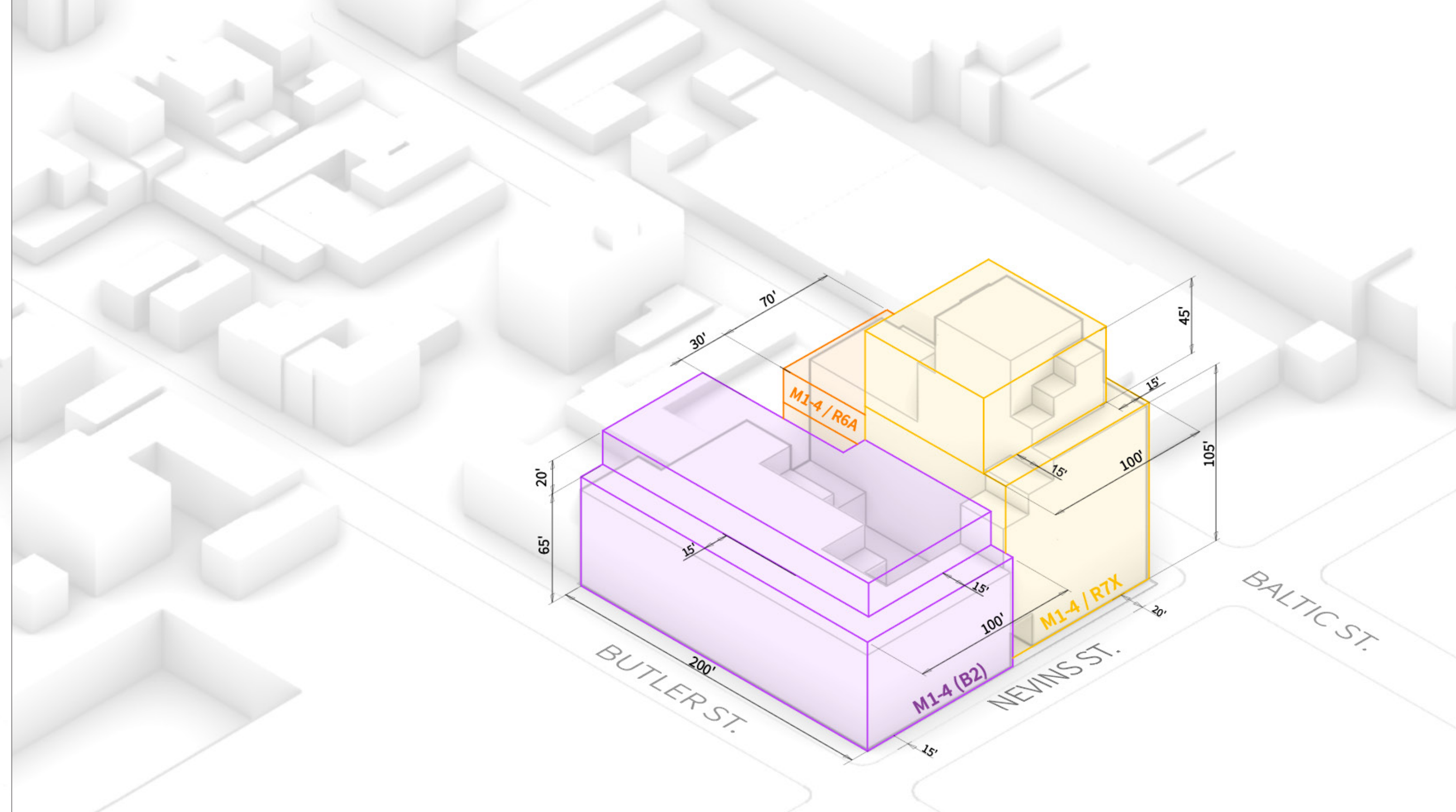
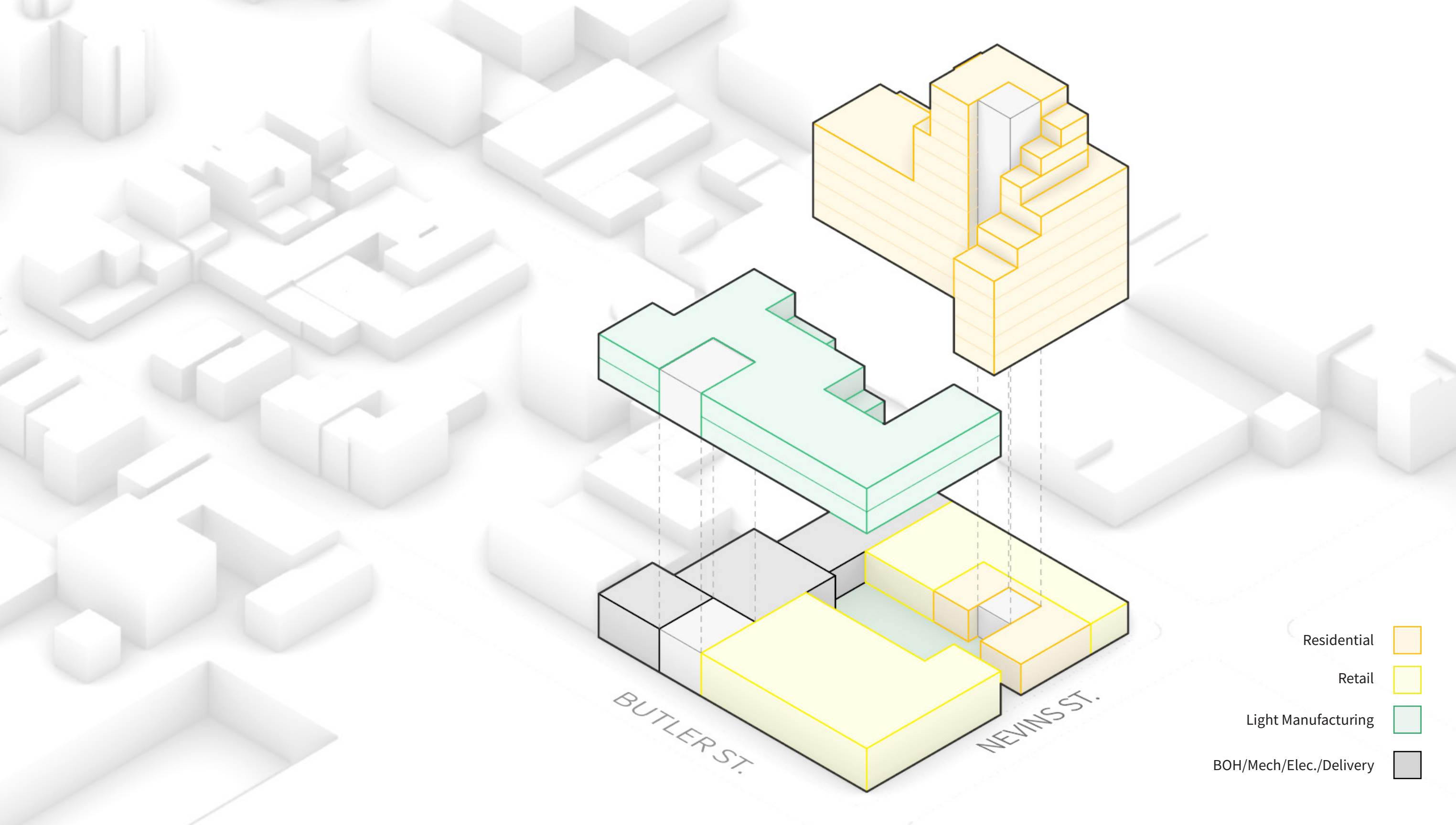
Collaboration with 'Eiwa Colburn, Jules Jacolot, Steph Do, & Kelsey Nguyen

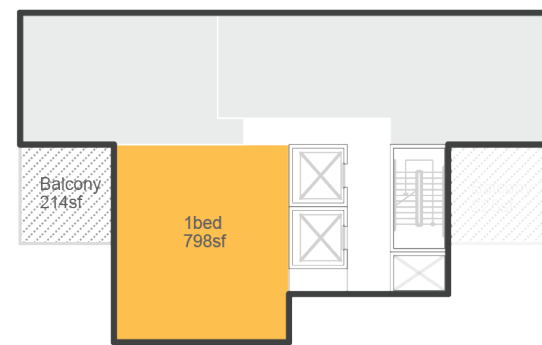
222 Nevins is a 150,000 GSF mixed-use, mixed-income development in Gowanus, Brooklyn, that integrates adaptive reuse with new construction to celebrate the neighborhood's industrial legacy. The project transforms an existing manufacturing building (formerly Dunn Print Shop) into a vibrant community anchor featuring 53,000 NSF of retail and light-industrial space—including a market hall, brewery, and gallery—alongside 99 rental units, 25% of which are designated as affordable housing units. Central to the design strategy is a “calculated demolition” that carves out a 6,300 SF central courtyard, creating a porous social core that doubles as green infrastructure for stormwater management. Through strategic facade terracing and a ZFA transfer from the industrial lot, the architecture optimizes natural light, cross-ventilation, and premium views for the elevated residential levels. This environmentally resilient approach, bolstered by brownfield remediation and historic tax credits, delivers a robust development case with a 15% LP IRR and a 6.0% yield-on-cost, establishing a sustainable model for urban densification, following the Special District G rezoning, that honors Gowanus' industrial character.

Development Capstone Case Studies - Sam Allison-Mayne, & Josh Brandsky









Floor 11



